CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Theatre, hotel and stores, Chicago, Ill., A. Karzas having plans prepared, $5,000,000.

Gas line, Texas, Mexican Seaboard Oil Co. plan extensions, $3,650,000.

Refrigerator factory, Detroit, Mich., Electric Refrigeration Corp. having plans prepared, $3,000,000.

Paper mill, Longview, Wash., Longview Fiber Co. plans first unit, $2,500,000.

Waterworks extension, Minneapolis, Minn., plans additional waterworks, $1,800,000.

Apartment, Chicago, Ill., C. Wishnack having plans prepared, $1,500,000.

Theatre, San Francisco, Calif., R. Pincus plans Class "A" theatre, $1,500,000.

Office and stores, Chicago, Ill., Van Buren Building Corp. having plans prepared, $1,500,000.

Warehouse, Portland, Ore., Oregon-Washington Refining Co. plans refinery, including dock and warehouse, $1,500,000.

Bank, Detroit, Mich., Federal Reserve Bank had plans prepared, $1,200,000.

Arena, Detroit, Mich., Detroit, Hockey Club, Inc., had plans prepared, $1,200,000.

Hotel, Milwaukee, Wis., M. Tullgren & Sons Co. preparing preliminary plans, $1,000,000.

Pier, San Francisco, Calif., State Bd. Harbor Comrs. made plans, $1,000,000.

Sewers, waterworks, Asheville, N. C., bonds being sold, $1,000,000.

Museum, Cleveland, O., Cleveland Museum of Natural History having sketches made, $1,000,000.

Apartment, New York, N. Y., Twenty-five East 77th Street Co. having plans prepared, $1,000,000.

Office, Los Angeles, Calif., P. S. Wright and Associates had plans prepared, $1,000,000.

Bids Desired

Store and office, Chicago, Ill., Sept. 8, by Graham, Anderson, Probst and White, archts., $5,000,000.

Store, office and theatre, Los Angeles, Calif., O. A. Lansburgh, archt., taking bids, $2,000,000.

Theatre and office, Roanoke, Va., Sept. 3, by Smithey & Tardy, archts., $1,000,000.

Apartment, Chicago, Ill., Sept. 2, by R. F. Frances & Co., $1,000,000.

Contracts

Office, Philadelphia, Pa., Philadelphia Electric Co. to J. N. Gill Co., $3,000,000.

Apartment Hotel, Chicago, Ill., Park Lane Building Corp. to C. H. Ehrlich & Co., $2,500,000.

Apartment, Upper Darby, Pa., Arcadian Court Co. to Van Asdlen Constr. Co., $2,000,000.

Apartment, Philadelphia, Pa., Arcadian Court Co. to Van Asdlen Constr. Co., $2,000,000.

Theatre, stores and apartments, Chicago, Ill., Symphony Theatre Corp. to J. McHugh & Sons, $1,600,000.

College, Baltimore, Md., Board awards to J. Henry Miller, Inc., $1,998,000.

Classified Index of Bids Wanted

Waterworks

Bids close	*See Eng. News-Record*
Aug. 27	Long Island City, N. Y. ..Aug. 19
Aug. 27	New York, N. Y. .....Aug. 19
Aug. 27	Brooklyn, N. Y. .....Aug. 19
Aug. 27	Cleveland, O. .....Aug. 26
Aug. 31	Wyandotte, Mich. .....Aug. 26
Aug. 31	New York, N. Y. .....Aug. 26
Sept. 1	Cambridge (Boston P. O.), Mass. .....Aug. 12
Sept. 1	Lake Charles, La. .....Aug. 19
Sept. 1	San Francisco, Calif. ....Aug. 26
Sept. 1	Lakeville, Mass. .....Aug. 26
Sept. 2	Boston, Mass. .....Aug. 26
Sept. 2	Fremont, O. .....Aug. 12
Sept. 3	Gibson, Ill. .....Aug. 26
Sept. 4	Claxton, Ga. .....Aug. 26
Sept. 7	Shenandoah, Pa. .....Aug. 26 Adv. Aug. 26.
Sept. 7	St. Louis, Mo. .....Aug. 19
Sept. 7	White Plains, N. Y. .....Aug. 26 Adv. Aug. 26.
Sept. 8	Detroit, Mich. .....Aug. 12
Sept. 8	Detroit, Mich. .....Aug. 26
Sept. 9	Knoxville, Tenn. .....Aug. 26
Sept. 9	Douglas, Neb. .....Aug. 26 Adv. Aug. 26.
Sept. 9	Newark, N. J. .....Aug. 12 Adv. Aug. 12 to 26.
Sept. 16	Salisbury, Md. .....Aug. 26 Adv. Aug. 26.
Sept. 30	Santo Domingo, W. I. ...July 22 Adv. July 15, 29, Aug. 12 and 26.

Sewers

Aug. 27	Wash., D. C.	.....Aug. 26
Aug. 30	Jenkintown, Pa.	.....Aug. 12
Aug. 31	West Jefferson, O.	.....Aug. 19
Aug. 31	Fordson, Mich.	.....Aug. 26
Aug. 31	New York, N. Y.	.....Aug. 26
Aug. 31	Hazel Crest, Ill.	.....Aug. 26 Adv. Aug. 26.
Sept. 1	Kilbourn, Wis.	.....Aug. 26
Sept. 1	Phila., Pa.	.....Aug. 26
Sept. 1	Brooklyn, N. Y.	.....Aug. 26
Sept. 1	Jacksonville, Ill.	.....Aug. 26
Sept. 3	Boston, Mass.	.....Aug. 26
Sept. 4	Burlington, Ia.	.....Aug. 26
Sept. 7	Jamestown, N. Y.	.....Aug. 26 Adv. Aug. 26.
Sept. 7	Mamaroneck, N. Y.	.....Aug. 19 Adv. Aug. 19 and 26.
Sept. 7	Plainfield, N. J.	.....Aug. 19
Sept. 7	St. Louis, Mo.	.....Aug. 26
Sept. 8	Brooklyn, N. Y.	.....Aug. 12
Sept. 8	Marcy, N. Y.	.....Aug. 12
Sept. 8	Salem, Mass.	.....Aug. 19 Adv. Aug. 19 and 26.
Sept. 8	Ardmore, Pa.	.....Aug. 26 Adv. Aug. 26.
Sept. 10	Fort Myers, Fla.	.....Aug. 26 Adv. Aug. 19 and 26.
Sept. 13	St. Petersburg, Fla.	.....Aug. 26 Adv. Aug. 26.
Sept. 13	Tenafly, N. J.	.....Aug. 26 Adv. Aug. 19 and 26.
Oct. 13	Portland, Ore.	.....Aug. 26 Adv. Aug. 19 and 26.

Bridges

Aug. 31	St. Louis, Mo.	.....Aug. 12
Aug. 31	Newton, N. J.	.....Aug. 19
Aug. 31	Maryland	.....Aug. 26 Adv. Aug. 26.
Aug. 31	Boston, Mass.	.....Aug. 26
Sept. 1	Scarsdale, N. Y.	.....Aug. 12
Sept. 1	Jacksonville, Fla.	.....Aug. 12
Sept. 1	Pennsylvania	.....Aug. 26
Sept. 1	Beloit, Wis.	.....Aug. 26
Sept. 3	Phila., Pa.	.....Aug. 26
Sept. 7	Oakland, Calif.	.....Aug. 26
Sept. 8	Freehold, N. J.	.....Aug. 26 Adv. Aug. 26.
Sept. 14	Stuart, Fla.	.....Aug. 26 Adv. Aug. 26.
Sept. 16	New York, N. Y.	.....Aug. 19
Sept. 17	Morgantown, W. Va.	.....Aug. 26 Adv. Aug. 26.
Dec. 1	Copenhagen, Denmark	....July 15

Dams

Aug. 28	Cohasset, Mass.	.....Aug. 26
Aug. 30	Newton, N. J.	.....Aug. 26 Adv. Aug. 26.
Sept. 7	British Columbia	.....Aug. 26

Railways

Aug. 31	Massachusetts	.....Aug. 12

Excavation, Drainage, Irrigation, Levees, River and Harbor

Aug. 27	Barnegat, N. J.	.....Aug. 26
Aug. 27	King, Ill.	.....Aug. 26
Sept. 2	Chicago Heights, Ill.	....Aug. 19
Sept. 6	Lake Village, Ark.	.....Aug. 26
Sept. 7	Buffalo, N. Y.	.....Aug. 12
Sept. 9	Dover, N. J.	.....Aug. 26 Adv. Aug. 26.
Sept. 13	Jersey City, N. J.	.....Aug. 26 Adv. Aug. 19 and 26.
Sept. 13	Belmar, N. J.	.....Aug. 26

Streets and Roads

Aug. 27	Michigan	.....Aug. 26
Aug. 27	Caldwell, O.	.....Aug. 26
Aug. 27	Albion, Ind.	.....Aug. 26
Aug. 27	Warsaw, Ind.	.....Aug. 26
Aug. 28	Goshen, Ind.	.....July 15
Aug. 30	Ft. Scott, Kan.	.....Aug. 12
Aug. 30	New Jersey	.....Aug. 12
Aug. 30	Norwalk, O.	.....Aug. 19
Aug. 30	Crown Point, Ind.	.....Aug. 26
Aug. 30	Goshen, Ind.	.....Aug. 26
Aug. 30	Boston, Mass.	.....Aug. 26
Aug. 30	New Brunswick, N. J.	....Aug. 26
Aug. 30	Spencer, Ia.	.....Aug. 26
Aug. 30	Waverly, Ia.	.....Aug. 26
Aug. 30	Oskaloosa, Ia.	.....Aug. 26
Aug. 30	Dyersburg, Tenn.	.....Aug. 26
Aug. 31	New York, N. Y.	.....Aug. 26
Aug. 31	Michigan	.....Aug. 26
Aug. 31	Millis, Mass.	.....Aug. 26
Aug. 31	Mt. Ayr, Ia.	.....Aug. 26
Aug. 31	Mankato, Kan.	.....Aug. 12
Aug. 31	Ft. Scott, Kan.	.....Aug. 19
Aug. 31	Virginia	.....Aug. 19
Aug. 31	St. Louis, Mo.	.....Aug. 19
Aug. 31	Minnesota	.....Aug. 19
Aug. 31	Maryland	.....Aug. 26 Adv. Aug. 26.
Aug. 31	Hartford City, Ind.	.....Aug. 26
Aug. 31	Omaha, Neb.	.....Aug. 26
Aug. 31	New York, N. Y.	.....Aug. 26
Aug. 31	Maryland	.....Aug. 26
Aug. 31	Illinois	.....Aug. 26
Aug. 31	St. Paul, Minn.	.....Aug. 26
Sept. 1	Phila., Pa.	.....Aug. 26
Sept. 1	New Philadelphia, O.	....July 29
Sept. 1	Birmingham, Ala.	.....Aug. 5
Sept. 1	Lisbon, O.	.....Aug. 5
Sept. 1	Delaware	.....Aug. 5
Sept. 1	Cuba	.....Aug. 5 Adv. Aug. 5 to 26.
Sept. 1	Wisconsin	.....Aug. 26
Sept. 1	Michigan	.....Aug. 26
Sept. 1	Rhode Island	.....Aug. 26 Adv. Aug. 26.
Sept. 1	Brooklyn, N. Y.	.....Aug. 26
Sept. 1	St. George, N. Y.	.....Aug. 26
Sept. 2	Wichita, Kan.	.....Aug. 19
Sept. 2	Louisiana	.....Aug. 19
Sept. 2	Willows, Calif.	.....Aug. 26
Sept. 2	Boston, Mass.	.....Aug. 26
Sept. 2	South River, N. J.	.....Aug. 26
Sept. 3	Kentucky	.....Aug. 12
Sept. 3	Kentucky	.....Aug. 19
Sept. 3	Indianapolis, Ind.	.....Aug. 26
Sept. 6	Liberty, Ind.	.....Aug. 26
Sept. 6	Fort Wayne, Ind.	.....Aug. 26
Sept. 7	Sioux Center, Ia.	.....Aug. 12
Sept. 7	Louisiana	.....Aug. 12
Sept. 7	California	.....Aug. 26
Sept. 7	Winamac, Ind.	.....Aug. 26
Sept. 7	Vincennes, Ind.	.....Aug. 26
Sept. 7	Indianapolis, Ind.	.....Aug. 26
Sept. 7	Kermit, W. Va.	.....Aug. 26
Sept. 8	Princeton, Ind.	.....Aug. 26

See proposal advertising on page 119

Constr. News page 135

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Pipe Joint Knowledge

LEADITE is recognized to be the best material for making joints in cast iron bell and spigot water mains by thousands of water works men thruout the world.

Water works men who keep a check on their systems and make water waste surveys know that their pipe lines laid with LEADITE are tight.

Their experience with LEADITE has proven to them that LEADITE joints improve with age, and that the joints do not corrode or rust.

They know that LEADITE has been successfully tested and used for over 30 years.

They know LEADITE will flow around a 60-in. pipe just as easily as it does around a 4-in. pipe; size does not make any difference. They know LEADITE fills every crevice of the joint.

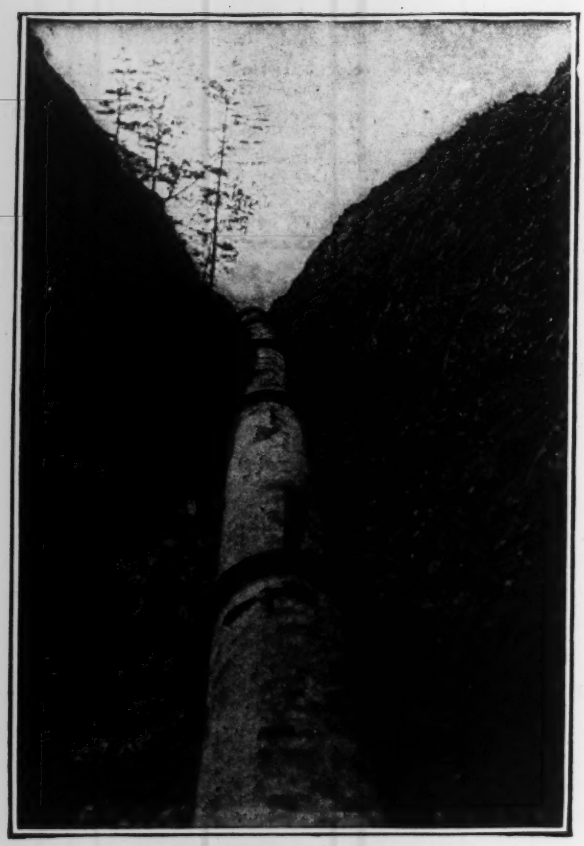
They know LEADITE eliminates the expense and drudgery of caulking.

They know the simplicity, economy and efficiency with which LEADITE can be used.

Give LEADITE a fair trial and convince yourself of its merit and many advantages.

Join the LEADITE users.

The up-to-date water works man specifies and uses LEADITE.



16-in. c. i. B&S water main laid with LEADITE joints, tested to 195 lbs. water pressure.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close — *See Eng. News-Record*

Sept. 8 Pennsylvania ..... Aug. 26
Adv. Aug. 26.
Sept. 8 Freehold, N. J. ..... Aug. 26
Adv. Aug. 26.
Sept. 8 Fargo, N. D. ..... Aug. 26
Sept. 8 Trenton, N. J. ..... Aug. 26
Adv. Aug. 19 and 26.
Sept. 8 Alexandria Bay, N. Y. ... Aug. 26
Adv. Aug. 26.
Sept. 9 Cedar Rapids, Ia. ..... Aug. 26
Sept. 9 Pennsylvania ..... Aug. 26
Adv. Aug. 26.
Sept. 10 White Plains, N. Y. ..... Aug. 26
Adv. Aug. 26.
Sept. 10 Norton, Kan. ..... Aug. 19
Sept. 10 Georgia ..... Aug. 26
Sept. 13 New Jersey ..... Aug. 26
Adv. Aug. 26.
Sept. 14 Apalachicola, Fla. ..... Aug. 26
Sept. 15 Anderson, Ind. ..... Aug. 26
Sept. 29 Kentucky ..... Aug. 12
Sept. 29 Alabama ..... Aug. 12

Buildings—Commercial

Aug. 30 Wash., D. C. ..... Aug. 26
Aug. 31 New York, N. Y. ..... Aug. 19
Aug. 31 Evansville, Ind. ..... Aug. 26
Aug. 31 New York, N. Y. ..... Aug. 26
Sept. 1 Charlotte, N. C. ..... Aug. 12
Sept. 1 Chicago, Ill. ..... Aug. 19
Sept. 1 Vancouver, B. C. ..... Apr. 22
Sept. 1 Fitchburg, Mass. ..... Aug. 26
Sept. 2 Chicago, Ill. ..... Aug. 26
Sept. 2 Oak Park, Ill. ..... Aug. 26
Sept. 3 Roanoke, Va. ..... Aug. 26
Sept. 3 Lewistown, Pa. ..... Aug. 26
Sept. 3 Phila., Pa. ..... Aug. 26
Sept. 8 Chicago, Ill. ..... Aug. 26
Sept. 15 Dayton, O. ..... Aug. 26
Nov. 15 Duluth, Minn. ..... July 15
Oct. 19 Indianapolis, Ind. ..... Aug. 26

Buildings—Industrial

Aug. 20 Altoona, Pa. ..... Aug. 12
Aug. 27 Altoona, Pa. ..... Aug. 26
Aug. 30 Detroit, Mich. ..... Aug. 26
Sept. 10 Nashville, Tenn. ..... Aug. 19

Buildings—Educational, Religious

Aug. 30 Fort Atkinson, Wis. ..... Aug. 19
Aug. 30 Portland, Ore. ..... Aug. 26
Aug. 30 Reading, Mass. ..... Aug. 26
Aug. 31 Evansville, Ind. ..... Aug. 26
Aug. 31 Aura, N. J. ..... Aug. 26
Aug. 31 Mexico, Mo. ..... Aug. 26

Bids close — *See Eng. News-Record*

Sept. 2 Chicago, Ill. ..... Aug. 26
Sept. 3 Kent, O. ..... Aug. 19
Sept. 3 Louisville, Ky. ..... Aug. 26
Sept. 7 Atlanta, Ga. ..... Aug. 26
Sept. 7 Indianapolis, Ind. ..... Aug. 26
Sept. 15 Karns City, Pa. ..... Aug. 26
Sept. 15 Sayville, N. Y. ..... Aug. 26
Sept. 16 Berea, O. ..... Aug. 26
Sept. 17 LaGrange, Ill. ..... Aug. 26
Sept. 30 Wash., D. C. ..... Aug. 26

Federal Government Work

Aug. 27 Earthwork—Missouri ..... Aug. 19
Adv. Aug. 19 and 26.
Aug. 27 Breakwater—Norfolk, O. ... Aug. 19
Aug. 30 Canal—Portage, Wis. ..... July 29
Adv. Aug. 5 to 26.
Aug. 30 Earthwork—Memphis, Tenn. ..... Aug. 26
Aug. 31 Remodeling—Marshalltown, Ia. ..... Aug. 19
Aug. 31 Wicket Irons—Louisville, Ky. ..... Aug. 26
Adv. Aug. 26.
Sept. 1 Turbine, etc.—Idaho ..... Aug. 5
Sept. 1 Walks—San Diego, Calif. . Aug. 12
Sept. 1 Dikes—St. Louis, Mo. ..... Aug. 12
Adv. Aug. 12 and 26.
Sept. 1 Repairs—Lake Denmark (mail Hibernia), N. J. ..... Aug. 26
Sept. 2 Remodeling—Eugene, Ore. . Aug. 26
Sept. 3 Lockhouse—Milwaukee, Wis. ..... Aug. 5
Adv. Aug. 5 to 26.
Sept. 7 Remodeling — Newport News, Va. ..... Aug. 26
Sept. 8 Surfacing—Puget Sound, Wash. ..... Aug. 19
Sept. 8 Towers—LaJolla, Calif. ... Aug. 26
Sept. 8 Stake—Turburon, Calif. ... Aug. 26
Sept. 8 Remodeling—Aberdeen, S. D. ..... Aug. 26
Sept. 9 Boiler House—Dayton, O. . Aug. 19
Adv. Aug. 12 to 26.
Sept. 10 Paving—Hot Springs, Ark. ..... Aug. 26
Adv. Aug. 26.
Sept. 10 Remodeling — Northampton, Mass. ..... Aug. 26
Adv. Aug. 26.
Sept. 13 Beartrap Leaves—Louisville, Ky. ..... Aug. 19
Adv. Aug. 19 and 26.
Sept. 13 Remodeling — Asheville, N. C. ..... Aug. 26
Adv. Aug. 26.

Bids close — *See Eng. News-Record*

Sept. 14 Boiler, Wash., D. C. ..... Aug. 26
Sept. 14 Roads—Rutland, Mass. ... Aug. 26
Sept. 14 Fire Protection System — Baltimore, Md. ..... Aug. 26
Sept. 15 Barges—St. Louis, Mo. ... Aug. 26
Adv. Aug. 26.
Sept. 21 Wire Fence—Lake City, Fla. ..... Aug. 26
Sept. 24 Gates—Louisville, Ky. ..... Aug. 26
Adv. Aug. 26.
Sept. 28 Storehouse, etc.—Sunmount, N. Y. ..... Aug. 26
Oct. 1 Jetty—Sabine Pass, Tex. . Aug. 12

Unclassified

Aug. 27 Subway—Brooklyn, N. Y. . Aug. 19
Aug. 28 Heating and Ventilating System—Everett (Boston P. O.), Mass. ..... Aug. 26
Aug. 30 Underpass—Knoxville, Tenn. ..... Aug. 26
Aug. 31 Track Crossings—Phila., Pa. ..... Aug. 26
Aug. 31 Lighting System—Upper Arlington (Columbus P. O.), O. . Aug. 19
Sept. 3 Special Work—Brooklyn, N. Y. ..... Aug. 26
Sept. 3 Special Work—New York, N. Y. ..... Aug. 26
Sept. 9 Wharf—West Palm Beach, Fla. ..... Aug. 5
Sept. 10 Air Compressor—Farmingdale, N. Y. ..... Aug. 19
Sept. 10 Subway—Phila., Pa. ..... Aug. 26
Adv. Aug. 19 and 26.
Sept. 15 Steam Turbines, etc.—Hamilton, O. ..... Aug. 19
Sept. 15 Fire Alarm—Poughkeepsie, N. Y. ..... Aug. 26
Adv. Aug. 19 and 26.
Sept. 30 Crane Gantries, etc.—Otahuhu, New Zealand ..... May 20
Nov. 1 Buildings, etc.—New Zealand ..... July 1

Materials

Aug. 27 Structural Steel—Phila., Pa. ..... Aug. 19
Aug. 31 Portland Cement—St. Paul, Minn. ..... Aug. 19
Aug. 31 Pipe—St. Paul, Minn. .... Aug. 26
Sept. 1 Wire—Phila., Pa. ..... Aug. 26
Sept. 1 Cement, etc. — Brooklyn, N. Y. ..... Aug. 26

News of New Work

Waterworks

Proposed Work

N. J., Hawthorne — Boro making plans pumping station to increase water supply. $30,000. H. J. Harder, 129 Market St., Paterson, engr.

N. J., Ogdensburg—Boro making plans extending water distribution system and filter plant. $20,000. H. J. Harder, 129 Market St., Paterson, engr.

N. C., Asheville — See "Streets and Roads."

N. C., Bladenboro — Plans issuing $25,000 bonds, waterworks.

O., Gambier—See "Sewers."

Mich., Utica—Made plans 5,000 ft. 4- to 8-in. c.i. mains, 75,000 gal. elevated steel water tank, etc. $25,000. Pate, Hamman & Bacon, 602 Transportation Bldg., Detroit, engrs.

Minn., Minneapolis—Plans 40 m.g. unit to filter plant at Fridley, $800,000; and 10 mi. distribution main to serve west end of city, incl. lake district, $1,000,000. N. W. Elsberg, city engr.

Mo., Lees Summit — Unity School of Christianity, 917 Tracy Ave., Kansas City, making plans waterworks, incl. dam, also sewerage system, near here. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Nev., Carlin — City plans to purchase Diesel engine and equipment, incl. one 2 hp. electrical driven centrifugal water pump, 1 electric generator, switchboard, etc. A. H. Berning, clk.

Tex., Harlingen—Plans election $250,000 bonds, extending mains, installing fire hydrants, etc. S. F. Ewing, mayor.

Okla., Seminole—Defeated $25,000 bonds, waterworks extensions. Noted Aug. 12.

N. M., Belen—City takes bids about Sept. 25, sewerage system. J. M. Gladding, Albuquerque, engr.

Wash., Soap Lake—Making plans fresh and Soap Lake mineral (dual) water system. $25,000.

Calif., Brentwood — Brentwood Water Dist. plans election $20,000 bonds, fire protection system and constructing deep well pumping plants.

Calif., Lockeford—Plans organizing district to vote $15,000 bonds, water system.

Calif., Shafter—Shafter Pub. Utility Dist. voted $23,000 bonds, extending water lines in various streets.

Calif., Ventura—Plans election $210,000 or more bonds, 10 m.g. reservoir, financing approximately 2,500 ft. pipe line in Ventura Ave. and pipe line in east section of city.

Ont., Waterloo—W. D. Brill, mayor, soon takes bids replacing all 4 in. with 6 in. mains in various streets. $30,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Bids Desired

Mass., Boston—Sept. 2, by Metropolitan Dist. Comn., 1 Ashburton Pl., ten 12 in., ten 16 in., four 20 in., two 24 in., two 30 in. and eight 36 in. screw lift valves, also three 36 in. hydraulic lift valves. W. E. Foss, dir. water div.

Mass., Lakeville—Sept. 1, by Dept. Pub. Wks., Boston, 8 in. c.i. force main, service pipes in Lakeville Sanatorium, and 6a discharge main connecting from Clear Pond. $15,000 or more. G. H. Bigelow, comr.

N. Y., New York — Aug. 31, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Acqueduct, West, Bailey, Cromwell, Jerome, Johnson, Netherlands and Oxford Aves., etc.

N. Y., New York — Aug. 31, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central

N. Y., White Plains—Sept. 7, by E. Halpin, Jr., comr. Pub. Wks., 9 m.g. distributing reservoir, etc. N. S Hill, Jr., 112 East 19th St., New York City consult. engr.; adv. E. N.-R. Aug. 26.

Pa., Shenandoah—Sept. 7, by Boro. Council, waterproofing concrete reservoir, near here. H. Bedea, boro. secy.; adv. E. N.-R. Aug. 26.

Md., Salisbury—Sept. 16, by Water and Sewer Comn., c.i. mains, etc., Contr. 20A. F. H. Dryden, ch. engr.; adv. E. N.-R. Aug. 26.

Ga., Claxton — Sept. 4, by City, C. E. Deloach, clk., 2,240 ft. 6 in. single hub c.i. pipe 5 fire hydrants, 1,635 lb. virgin pig lead, etc., f.o.b. Claxton.

Tenn., Knoxville—Sept. 9, by City Manager, 1 m.g. circular rein.-con. reservoir. To exceed $75,000. Alvord, Burdick & Howson, 1417 Hartford Bldg., Chicago, Ill., engrs.

O., Cleveland — Aug. 27, by City, test boring for proposed Nottingham Intake Tunnel; also reconstructing coagulation basins, concrete flooring and retaining wall at Division Ave. filtration plant, $250,000. L. A. Quayle, city hall.

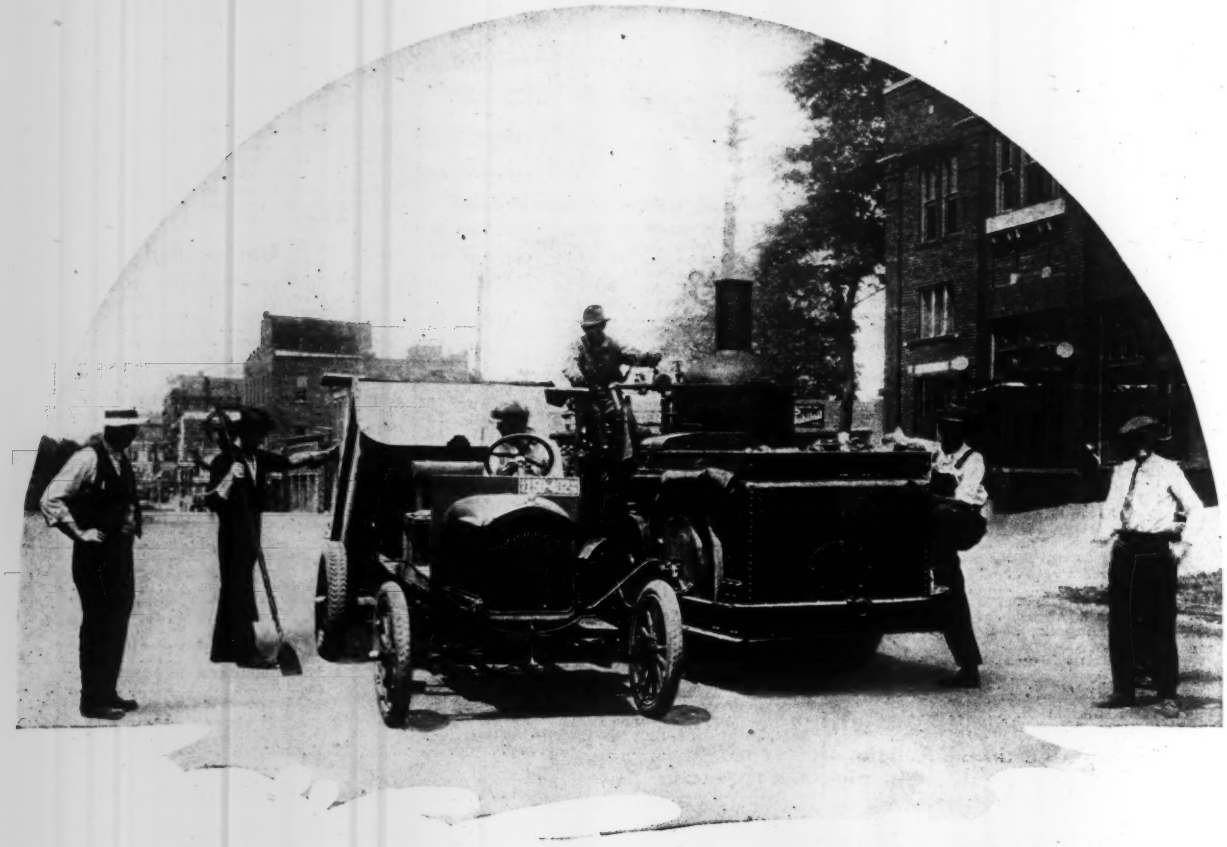
Mich., Wyandotte — Aug. 31, by E. C. Bryan, city clk., approximately 67,750 ft. 10- to 30-in. c.i. mains, etc., in various streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Detroit—Sept. 8, by Dept. Water Supply, 176 East Jefferson Ave., constructing filtered water reservoir, 129,500 cu.yd. excav., 215,500 lin.ft. 12 in. timber piling, 8,450 tons miscellaneous steel and c.i., also 325 ft. 48 in. concrete sewer. G. H. Fenkell, genl. mgr.

Ill., Gibson — Sept. 3, by City, G. W. Blades, clk., elevated steel tank, etc., for waterworks.

Neb., Douglas—Sept. 9, by Village Clerk, waterworks, incl. pipe, tanks, pumps, etc.

Constr. News page 136



Concrete placed in South Franklin Street, Decatur, Ill., underwent severe test when only *2 days* old without damage to concrete. Quick-hardening concrete obtained by Birt and Driscoll, contractors, by using thoroly tested methods and standard *Universal* cement, the same quality *Universal* regularly handled and furnished by Parke & Son Co., Decatur, Ill. City engineer, P. O'Brien.

Ten-Ton Roller Shows Strength of Quick-Hardening Concrete

New Pavement Stands Severe Test in Decatur, Ill.

In South Franklin Street, Decatur, Ill., a ten-ton steam roller was run, first over 4-day, then over 3-day, and finally over 2-day concrete made according to thoroly tested methods for securing quick-hardening concrete with standard *Universal* cement, the same quality *Universal* regularly used. In each case the test showed no injury to the concrete.

The results were so satisfactory that the same methods are being used in paving an important street intersection in Decatur in order to have a *stronger* pavement and to open the street to traffic with minimum delay.

Quick-hardening concrete made with standard *Universal* cement is being successfully used in all types of concrete work where *time* is important and high early strength is essential. Full details will be sent promptly on receipt of coupon below.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Universal Portland Cement Co., 210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in *3 days* with standard *Universal* cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR—8-26-26

Waterworks (Continued)

To exceed $25,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Okla., Seminole—City in market new 70 g.p.m. deep well pump and 15 hp. motor. Noted Aug. 12.

Calif., Monticello — Monticello Union School Dist. taking bids furnishing one double acting deep well pumping head, 1 motor, 1½ hp. to be operated by Kohler Light Plant, 1 double acting deep well cylinder, all brass to furnish approximately 500 gal. per hour one 220 gal. welded presure tank, 1 pressure and 1 water gauges, 1 automatic electric controller, 65 ft. suction pipe, 65 ft. pump. C. N. Clark, clk.

Calif., San Francisco — Sept. 1, by Bd. Pub. Wks., high pressure mains in Butchertown Dist. $60,000. M. M. O'Shaughnessy, city engr.

Bids Received

N. Y., New York—Dept. Purchase, J. Dooling, comr., Municipal Bldg., 10,000 tons iron pipe for Dept. Water Supply, Gas & Electricity, from J. D. Diberson, 40 Rector St. Engrs. est. $500,000.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 49,166 ft. 6- to 16-in. c.i. mains, etc., in various streets, from Colman & Harding, 19417 Derby Ave., $30,059. Noted July 29.

Md., Baltimore—Bd. Awards, Aug. 18, excavating trenches and laying mains in Mt. Royal Terrace for Bureau of Water Supply, from Ligon & Ligon, 206 East Lexington St., $39,768.

Calif., Alhambra—For 5 m.g. reservoir, from Odell Constr. Co., 225 South Burlington Ave., Los Angeles, 6 in. concrete $42,171, and 2 in. gunite $43,793. Noted

Contracts Awarded

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Shore Blvd., etc., to Gregory Contg. Co., 351 West 124th St., New York City, $5,734. Noted Aug. 5.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Fteley, Gleason, Metcalf Aves., etc., to Sareno Contg. Co., 1949 Calden Ave., $1,995; in DeLavall, Edson, Gunther Aves., etc., to North Eng. & Contg. Co., 510 West 149th St., $13,700. Noted Aug. 17.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 49,166 ft. of 6- to 16-in. c.i. mains in various streets, to L. J. Clancy, 3137 Canton Ave., $30,108.

Ill., Chicago—Bd. Local Impvts., City Hall, mains in 2 streets, to Reliance Plumbing Co., 4705 Sheridan Rd.; in 2 streets to Walsh & Metzger, 6828 South Chicago Ave.; in 2 streets, to Washington Plumbing & Heating Co., 461 North Halstead St. and in 1 street, to G. D. Hardin, 3139 Indiana Ave.

Ill., Riverside—See "Streets and Roads."

Ill., Westmont—Bd. Local Impvts., constructing water service pipes, to W. Worth, Westmont, $20,046.

Wis., Marshfield — City Water & Light Dept., G. Marvin, secy., one 1,500 kw. high pressure condensing system turbine with condenser and auxiliaries, to Allis-Chalmers Mfg. Co., West Allis, $32,460. Engrs. est. $30,000.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., 56 ft. 6 in. and 3,870 ft. 20 in. c.i. mains in Scott St., to Mierswa Constr. Co., 582 20th St., $24,964. Noted July 29.

Wis., Spooner—For 7,172 ft. 4- to 8-in. c.i. mains and approximately 1,293 ft. 6 and 8 in. sewers, in various streets, to W. D. Morgan, Ladysmith $14,157 and $1,538 respectively.

N. D., Edgeley—Waterworks, to W. D. Lovell, 1415 8th St. S. E., Minneapolis, Minn., $52,962.

Tex., Stanton—Martin Co. Valley View Water Control & Impvt. Dist. 1, c/o W. H Clements, pres., three 100 ft. wells, three 10,000 gal. reservoirs, 30 mi. galvanized pipe, etc., to M. L. Friday, Arlington, $41,000. Noted July 22.

Wash., Seattle — King Co., waterworks supply system, etc., in Water Dist. 20, to McHugh & Coluccio, 517 3rd Ave. N., $93,792. Engrs. est. $100,000. Noted Aug. 19.

Calif., Orange—For 2,000 ft. 4 in. c.i. pipe, to Nicoll & Co., Garland Bldg., Los Angeles, at $0.54½ per ft.

Que., Three Rivers—Corporation of Montreal, 8,000 tons 48 in. pipe, to Canada Iron Foundries Ltd., Mark Fisher Bldg., Victoria Sq., Montreal.

Sewers

Proposed Work

Mass., Gloucester—Making plans new sewerage system. To exceed $25,000. R. W. Horne, 44 School St., Boston, engr.

W. Va., Huntington — Made plans and soon takes bids storm, sanitary and trunk sewers and laterals in Walnut Hills and Robey Hollow. $400,000. Barstow & McCurdy, 321 Ohio Bldg., Akron, O., engrs. R. J. Coffin, city engr.

N. C., Asheville — See "Streets and Roads."

O., Cuyahoga Falls—Plans storm sewers north side area of city $349,260, in south end city $27,500, and in west end city $66,225, also sanitary sewer in Talbot and Russell Aves. R. E. Ranney, city engr.

O., Gambier — Making plans sewerage and waterworks system for Kenyon College. $150,000. Ronan & Ingleson, 1614½ North High St., Columbus, engrs.

Wis., Madison—W. Winckler, city clk., plans to purchase approximately 140 tons c.i. pipe, 140 tons 6- to 30-in. fittings, approximately sixty 4- to 8-in. valves, metal doors and windows for new sewage disposal plant. E. E. Parker, City Hall, engr.

Mo., Lees Summit—See "Waterworks."

Tex., Harlingen — Election soon $250,000 bonds, extending sewers in various streets. S. F. Ewing, mayor.

Okla., Davenport—Election soon $45,000 bonds, sewers in various streets. Noted Aug. 5.

Calif., Bakersfield—Made plans 15,722 lin.ft. 6 and 8 in. vitr. sewers in Sewer Dist. 542. W. D. Clarke, city engr.

Calif., Corona—Election Aug. 31, $60,000 bonds, storm sewers in various streets.

Calif., La Habra—Voted $50,000 bonds, sewerage system connecting with outfall sewer.

Calif., Monrovia—Making plans storm sewer in various streets. $200,000. H. E. Gierlich, city engr.

Bids Desired

Mass., Boston — Sept. 3, by Dept. Pub. Wks., sewerage works in Ruskin Rd., Fuller, Tyler, Colorado and Messenger Sts. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Sept. 1, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, temporary storm water sewer in Greenpoint Ave.; also sewers in Dahill Rd., Avenue O, Shore Rd.; 73rd, 63rd, 62nd, West 9th and 78th Sts. Livonia and Pitkin Aves.

N. Y., Jamestown—Sept. 7, by City, at office L. A. Bergman, dir. Pub. Wks., City Hall, sewage treatment plant. H. B. Cleveland, 38 Park Row, New York City, consult. sanitary engr. G. C. Diehl, 577 Ellicott Sq., Buffalo, engr.; adv. E. N.-R. Aug. 26.

N. Y., New York — Aug. 31, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in West 231st St. between Johnson and Fairfield Aves., etc.

N. J., Tenafly — Sept. 13, by Tenafly Boro, Boro Hall, S. G. Farnham, mayor, main and lateral sewers, also sewage disposal works. W. G. Clark, Tenafly, and Fuller & McClintock, 170 Bway., New York City, engrs.; adv. E. N.-R. Aug. 26. Noted June 17.

Pa., Ardmore—Sept. 8, at Lower Merion Twp. Office, 75 East Lancaster Ave., 1 or 2 motor driven centrifugal sewage pumps, also removing existing gas engine and miscellaneous equipment at Ardmore Pumping Sta. G. C. Anderson, secy.; adv. E. N.-R. Aug. 26.

Pa., Phila.—Sept. 1, by Dept. Pub. Wks., Bureau of Engineering, 1 story, basement and sub-basement, 65 x 139 ft., brick, steel and concrete pumping station, incl. plumbing and heating, at Northwest Sewage Treatment Works, Wheatsheaf Lane east of Richmond St.

Md., Baltimore—Sept. 1, by Bd. Awards, 4,165 lin.ft. 12- to 20-in. vitr. sewer, also 10,300 lin.ft. 8 in. vitr. sewer and drain in various sewer districts, Contr. 238. M. J. Ruark, 311 Courtland St., sewerage engr.

D. C., Wash.—Aug. 27, by Dist. Comrs., District Bldg., 3,831 lin.ft. 12- to 42-in. sewer in various streets.

Fla., Fort Myers—Sept. 10, by City Clerk, sanitary sewer and water supply improvements. G. W. Simons, Jr., 15 Julia St., Jacksonville, consult. engr.; adv. E. N.-R. Aug. 26.

Fla., St. Petersburg—Sept. 13, by S. S. Martin, dir. Finance, sewage disposal plant; adv. E. N.-R. Aug. 26.

Ill., Hazel Crest—Aug. 31, by Bd. Local Impvts., sanitary sewerage system and purification plant in 169th St. between Bulger and Trapet Aves. and in various other streets and alleys; adv. E. N.-R. Aug. 26.

Ill., Jacksonville—Sept. 1, by Bd. Local Impvts., 36,113 ft. 10- to 72-in. vitr. clay, segmental tile or rein.-con. sewers, etc., in 2nd Ward Sewer Dist. E. M. Henderson, city engr. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Wis., Madison—See "Contracts Awarded."

Wis., Kilbourn—Sept. 1, by W. B. Shute, city clk., 3,780 ft. 8 and 12 in. vitr. or concrete sewers, etc., in Washington, Capital and Vine Sts. $28,000. Former bids rejected. E. B. Parsons, 419 Washington St., engr.

Ia., Burlington—Sept. 4, by City, at office R. Schlampp, city clk., Sect. 1, Gunnison Street Reservoir, 11,100 cu.yd. earthen dam with concrete overflow; Lucas Street Reservoir, 2,100 cu.yd. with concrete overflow; Lucas Street Inlet Structure, etc.; Sect. 2, Brooks Street Sewer Revision, 880 cu.yd. concrete in 800 ft. sewer. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engr.

Mo., St. Louis — Sept. 7, by Bd. Pub. Serv., City Hall, Rocky Branch Relief Sewer 2, 16,060 ft. 6 in. to 11 ft. horseshoe shaped tile and vitr. brick pipe, $340,000; also Harlem Creek Sewer 24, 1,350 lin.ft. 8- to 15-in. vitr. pipe, $4,100. W. W. Horner, 300 City Hall, engr.

Tex., Childress—F. F. DuBose, consult. engr., Childress, taking bids extending sewerage system and disposal plant, for City. $50,000.

Ore., Portland—Oct. 13, by G. R. Funk, city aud., Front Street Intercepting Sewer and Drainage System. O. Laurgaard, city engr.; adv. E. N.-R. Aug. 26.

Bids Received

Mass., Boston—Sewerage works in Greylock Rd., etc., Brighton, from V. Barletta, 10 Whipple Ave., Rosindale, $20,631. Engrs. est. $25,000.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Aug. 17, sewer in Harrod Ave., from J. J. B. LaMarsh, 1510 Appleton Ave., $164,330. Noted Aug. 12.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Aug. 11, Oak Lane Collecting Sewer in 10th St., etc., from J. J. McHugh, 1617 Race St., $125,261: extending Sandy Run between Lexington and Brons Ave., from Ryan Constr. Co., Real Estate Bldg., $14,995; main sewer in Aramingo Ave. between Frankford Creek and Superior St. and 49th St. between Schuylkill River and Pennsylvania R.R. tracks, from J. & R. Lombardi, Lincoln Bldg., $150,621 and $43,989 respectively. Noted Aug. 5.

Md., Baltimore—Bd. Awards, Aug. 11, Sect. 5, Herring Run Interceptor Contr. 237, 156 ft. 27 in. rein.-con., and 9,650 ft. 21- to 27-in. vitr. sewers, also 9,750 ft. 4 and 6 in. underdrain, from J. Matriciani, 229 South Exeter St., $94,117. Noted Aug. 5.

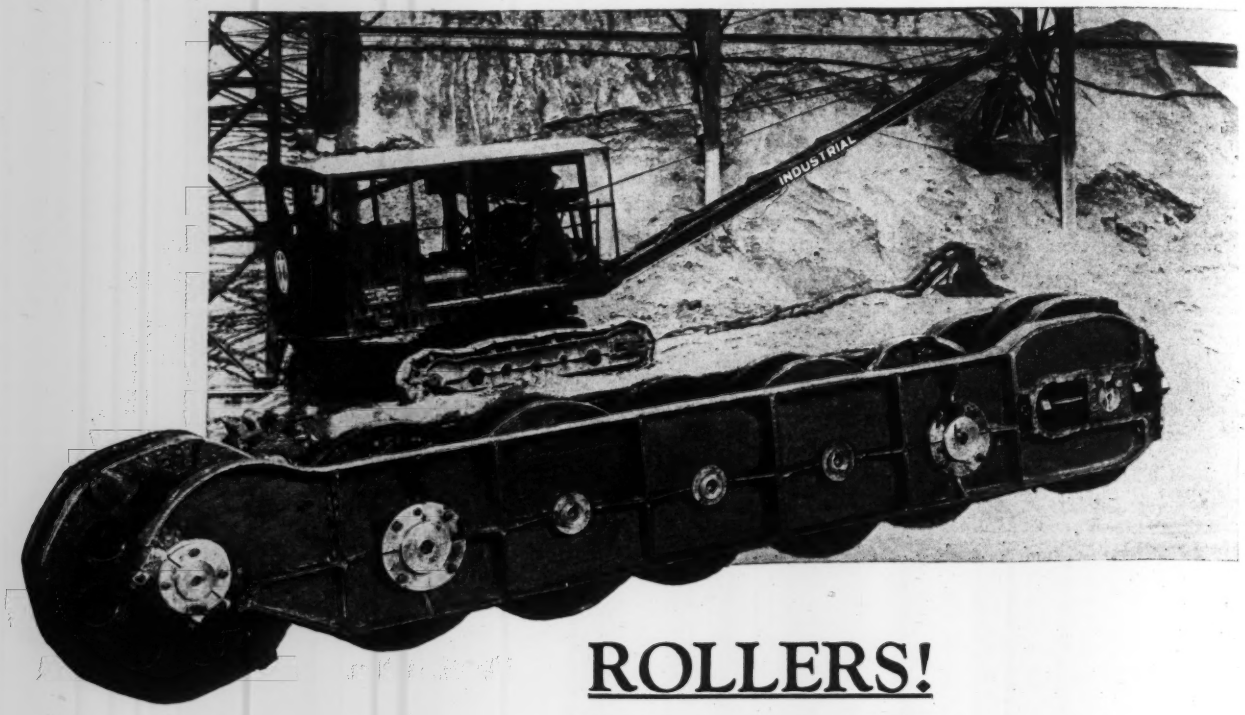
O., Cleveland — Bd. Comrs. Cuyahoga Co., 14,000 ft. 24- to 48-in. vitr clay sewer in Broadway Rd., Impvt. 900, from Langenhan Consr. Co., Marshall Bldg., $255,900. Noted Aug. 5.

O., Cleveland — Comrs. Cuyahoga Co., Aug. 11, 7,000 ft. 6- to 54-in. sewer in Belrose and Ridgebury Blvd., Impvt. 307, from Janashak & Callow, 13606 Union Ave., concrete $49,505, segmental block $52,310 or brick $51,979. Noted Aug. 5.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., from P. & L. Co., 038 Edgewater Ave., concrete, rein.-con. and vitr. sewers in Menomonee Dr. $2,373, Keefe Ave. $11,222, St. Paul Ave. $3,729, Algoma St. $15,428, 8th St. $6,103, 9th St. $3,085, 10th St. $2,373, and 40th St. $2,076; from Shabart-Rauch, Inc., 1003 41st St., Burnham St. $4,590, 12th St. $3,743, South 12th St. $1,811, Mt. Vernon Ave. $2,218, 31st Ave. $14,099, and 32nd Ave. $18,346; from Clayton Constr. Co., Port Washington and Gruber Aves., Green Bay Ave. $45,402, Green Bay Rd. $57,218, and Port Washington Rd. $99,140; from Wenzel & Henoch Constr. Co., 498 27th St., Maurice Ave. $2,410, and West 37th St. $17,062; and from A. H. Koch, 2917 Grand Ave., 39th St. $28,085.

Calif., Glendale—City Council, from L. Massa, P. O. Box 453. Bell, sewers in Alexander St., etc., Sewer Dist. 6, 49,140 ft. 8 in. vitr. pipe at $1.05 per ft., 1,624

Constr. News page 137



ROLLERS!

Large vs. Small

WHAT are rollers? They are those round things between the crawler frames. They should be large because large rollers turn more easily than small ones and with less strain on the bearings. This makes the machine easier to propel. What would a motor truck or a railroad car be with small diameter wheels that make the axles revolve at high speed on the bearings? Why not make the same comparison in crawler cranes, shovels and draglines? Small rollers are cheaper but less efficient.

INDUSTRIAL rollers are unusually large. They are of the self-cleaning type and they hold the bearings high up out of the dirt, thus adding to the efficiency of the entire machine.

That's why the INDUSTRIAL WORKS uses large rollers in their all-purpose type DC crawler—just another reason why INDUSTRIALS excel.

Steam, gasoline, electric or Diesel driven CRANES — SHOVELS — DRAGLINES.

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Sewers (Continued)

ft. 10 in. $1.10, 29,994 ft. 6 in. vitr. connections $0.95, etc., total approximately $109,275. Noted July 22.

Calif., Los Angeles — From J. Graovac, 1122 Kern Ave., sewers in Atwater Ave., sanitary sewer $99,899, 300 lin.ft. special house sewers at $1.90 per ft. and $42,556 lin.ft. house sewers $1.20, total approximately $151,536.

Calif., Los Angeles — Bd. Pub. Wks., sanitary sewer and concrete storm drain in Arroyo de la Sacatela Storm Drain Sect. 3, from C. U. Henser, 816 Allen Ave., Glendale, $965,000. Noted July 22.

Calif., Los Angeles — From L. Miletich, 610 West 54th St., sewers in Co. Impvt. 455, portions 87th St., etc., 37,730 ft. 8 in. sewer at $1.07 per ft., 2,490 ft. 15 in. $1.43, 24,100 ft. 6 in. house connections $1, 26 flushing manholes $130 each, 98 manholes $79, etc. total approximately $80,295.

Calif., Ojai—City Trustees, Aug. 2, vitr. sewers in Signal St. between Santa Ana and Grand Aves., etc., from L. W. King, 802 Financial Centre Bldg., Los Angeles, approximately $101,250. Noted July 1.

Contracts Awarded

Mass., Marblehead — Main truck line sewerage system from Flying Point to Little Harbor, to V. Grande, 22 Hull St., Boston; to L. Balboni, 419 Belgrade Ave., Roslindale; and to A. Baruffaldi, 5 Parker Pl., Somerville. Engrs. est. $300,000. Noted July 29.

N. Y., Albany—See "Sreets and Roads."

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in Eastchester Rd., to Knight & DeMicco, Inc., 448 Tremont Ave., $179,270. Noted Aug. 12.

N. Y., Port Washington — Bd. Sewer Comrs. Port Washington Sewer Dist., completing additional Imhoff tank, etc., to Suburban Eng. Co., 15 West 38th St., New York City, $74,314. Noted July 29.

Md., Baltimore—Bd. Awards, 156 ft. 27 in. rein.-con. and 9,650 ft. 21- to 27-in. vitr. sewers, also 9,750 ft. 4 and 6 in. underdrain in Sect. 5, Herring Run Intercepter, Contr. 237, to J. Matriciani, 229 South Exeter St., $94,118.

Md., Baltimore—Bd. Awards, 700 lin.ft. 33 in. brick and concrete and 2,809 lin.ft. 30- to 48-in. rein.-con. drains also 1,950 lin.ft. 8 and 10 in. vitr. sewers in Sewer Dist. 39-40 and H-6, Storm Water Contr. 94, to P. Marocco, 638 South Linwood Ave., $35,065.

O., Akron—See "Streets and Roads."

O., Garfield Heights (mail Cleveland) — Sewers in Garfield Dr., Mountview, Brunswick, East 111th Sts., to D. Rossi-Marcletti Co., 13701 Benwood Ave., Cleveland, $25,980. Noted July 29.

O., University Heights—For 5,362 ft. 10- to 30-in. vitr. sewers in Washington Blvd., to J. B. Lynn Constr. Co., 16311 Saranac Rd., Cleveland, $28,310; and 4,760 ft. in Silsby Rd., to Haddad-Mall Co., Schofield Bldg., Cleveland, $23,647.

Ill., Chicago—Bd. Local Impvts., City Hall, sewers in 4 streets, to F. Peyrot, 4207 Marmora Ave.; 5 streets, to Fosco Bros., Chicago; and in 1 street, to G. Barry, 5924 South Wabash Ave.

Ill., Mundelein — Village, Hawley St. Lateral Sewers, to S. J. Groves & Sons, Libertyville, Ill., $31,733; Lake St. Lateral Sewers, to Sieg Constr. Co., Waterloo, Ia., $23,300; Hawthorn Blvd. Lateral Sewer, to C. M. Barker, Maywood, $20,510; and South Lake Shore Dr. Lateral Sewers, to Territelli & Divito, 2234 Campbell Park, Chicago, $24,502. Grand total $100,045. Noted Aug. 5.

Ill., Riverside—See "Streets and Roads."

Wis., Kenosha—C. M. Osborn, city mgr., sewer stubs, catchbasins, manholes, connections and short sewers in various streets, to Ostergaard & Ostergaard, 69 South Sheridan Rd., $20,595. Engrs. est. $25,000. Noted Aug. 5.

Wis., Madison—City, c/o W. Winckler, clk., will install storm and sanitary sewers in Linden Hill Sewer Dist., by day labor. $25,000. E. E. Parker, City Hall, engr. Noted Mar. 4.

Wis., Spooner—See "Waterworks."

Wis., West Allis — Bd. Pub. Wks., J. Ferebee, supt., vitr. or concrete storm sewers in various streets, to H. Hohensee, Ludington Ave., Wauwatosa, $46,646.

N. D., Edgeley — Sanitary sewerage system, to Phelps, Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn., $33,133.

Minn., Albert Lee — Sewage disposal plant and 7,000 ft. 8 and 24 in. outfall sewers in various streets, to J. A. Dunkel Constr. Co., Webster City, Ia., approximately $82,000. Noted July 29.

Tex., Palestine—Palestine Sewer Co., c/o V. D. Wilson, genl. mgr., extending sewers in Tennessee and Palestine Aves., Coronaca and Conrad Sts., to Fenton Plumbing Co., Palestine, approximately $27,000. Noted Aug. 12.

Okla., Oklahoma City—North Side Outfall Sewer and disposal plant, 6,000 ft. 24 in., 19,000 ft. 30 in. and 2,690 ft. 39 in. concrete pipe, etc., to L. Saunders, 209 West 23rd St., $233,270. Engrs. est. $290,000. Noted July 22.

Calif., Santa Ana — Sewer screens, to Dorr Co., Inc., Los Angeles, $21,965; sewers in various streets, to Butte Electric Equipment Co., 530 Folsom St., San Francisco, $173,620. Noted Aug. 12.

Waste Disposal

Proposed Work

Calif., Santa Barbara—Plans election bonds to exceed $25,000, incinerator. E. A. Rolinson, city mgr.

Bridges

Proposed Work

Maryland—State Rd. Comn., Baltimore, received no bids Aug. 10, 74 ft. incl. 20 ft. clear span timber and steel bridge over Knappe Narrows, Tilgham Island. Contr. T-25, Talbot Co. J. N. Mackall, chn. Noted Aug. 5.

O., Williamsport—Columbiana Co. (Lisbon) plans 3 span 131 ft. cantilever type bridge over Beane Creek, here. $30,000. L. C. Kirk, Lisbon, engr.

Wis., Shawano — Wisconsin Power & Light Co., 16 North Carroll St., Madison, making plans reconstructing rein.-con. and steel dam, on Wolff River. $50,000. Mead & Seastone, Journal Bldg., Madison, engrs. Noted May 27.

Missouri — State Hy. Dept., Jefferson City, making plans constructing three 16 ft., four 30 ft., five 35 ft., two 50 ft. and five 45 ft. rein.-con. deck girder, six 12 ft., seven 20 ft. and three 24 ft. rein.-con. slabs, six 100 ft. arch, thirty-three 20 ft. I-beam, sixty-nine 15 ft. timber, and four 59 ft. steel truss spans, etc., in 11 counties. B. H. Piepmeier, ch. engr.

Tex., Abilene—See "Streets and Roads."

Tex., Galveston — See "Streets and Roads."

Tex., Houston—Harris Co. making plans repairing Greens Bayou Bridge and constructing 7 concrete culverts. $40,000. Howe & Wise, 816 1st Natl. Bank Bldg., engrs.

Tex., Quanah—See "Streets and Roads."

Bids Desired

Mass., Boston—Aug. 31, by Dept. Pub. Wks., repairing concrete and steel piers of Warren Bridge. $25,000.

N. J., Freehold—Sept. 8, by Bd. Freeholders Monmouth Co., plate girder swing draw bridge and approaches, Mt. 7, Belford and Middletown Twps. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Aug. 26.

N. J., Newton—Aug. 30, by Town Com., Spring St., repairs, additions and alterations at Morris Lake Dam, etc., at Morris Lake, Sussex Co. W. J. Hardin, town engr.; adv. E. N.-R. Aug. 26.

Pa., Phila.—Sept. 3, by M. Smith, Purch. agt. Pennsylvania R.R., at 17th and Filbert Sts., 2 steel superstructure complete, two 75 ft. plate fulcrum track scale bridges, Plan 23400, Contr. 31-1926.

Maryland—Aug. 31, by State Rds. Comn., Baltimore, double span rein.-con. girder bridge over Owens Creek, Contr. F-86, Frederick Co. J. N. Mackall, chn.; adv. E. N.-R. Aug. 26.

W. Va., Morgantown — Sept. 17, by Monongalia Co. Court, W. L. Parks, pres., steel superstructure, etc. South High Street Bridge, Morgan Dist. A. J. Baritell, co. road engr.; adv. E. N.-R. Aug. 26.

Fla., Stuart — Sept. 14, by Bd. Comrs. Martin Co., eight 80 ft. pony span bridge across South Fork St. Lucie River. E. H. Gibson, co. engr.; adv. E. N.-R. Aug. 26.

Ind., Monticello—Pennsylvania R.R., A. C. Shand, ch. engr., Broad St. Sta., Phila., Pa., taking bids, six 105 ft. span deck girder bridge over Tippecanoe River, here. $300,000.

Wis., Beloit — Sept. 1, by State Hy. Comn., at office City Clerk, constructing Portland Ave. Bridge over Rock River, incl. 378,290 lbs. structural steel, and 584 ft. temporary foot bridge, etc., here. J. T. Donaghey, Madison, ch. engr.

Calif., Oakland — Sept. 7, by G. Gross, clk. Alameda Co., rein.-con. bridge over Alameda Creek. $30,000.

Bids Received

New Jersey—State Hy. Dept., Trenton, Aug. 16; constructing 2 bridges on Route 8, Sect. 8, Sussex Co., from D. C. Jenkins, Dover, $9,985; widening 5 bridges on Route 7, Sect. 6, Monmouth Co. from Hill Constr. Co., 132 Huline St., Mt. Holly, $31,509. Noted July 29.

Pennsylvania—Sept. 1, by R. Trimble, asst. ch. engr. Pennsylvania R.R. Co., Penna. Sta., Pittsburgh, completing erection Bridge 109.38, Pan Handle Div., Contr. N-8-6.

Pennsylvania—See "Streets and Roads."

Pa., Belle Vernon—Joint Comrs. Fayette Co. (Uniontown) and Washington Co. (Washington) inter county bridge, here, from Ferris Eng. Co., Pittsburgh, $225,000.

Pa., Harrisburg — Secretary Property & Supply, Aug. 12, Soldiers and Sailors Memorial Bridge, on State St. from Cameron east, Contr. 1, from C. W. Strayer, 3rd and Broad Sts., $573,850. Noted Aug. 5 under "Pennsylvania."

Ohio — Dept. Hys. & Pub. Wks., Columbus, Aug. 13, deck plate girder bridge on Sect. "St. Marys Bridge" Wapakometa-St. Marys Rd., Auglaize Co., from Lima Constr. Co., Elm View Ct., Lima, $35,988; concrete beam bridge and approaches on Sects. "A" and "B" Ripley-Hillsboro Rd., Brown Co., from C. E. Beihm, Georgetown, $22,349 and $20,639 respectively; concrete substructure and steel superstructure bridge over Conotton Creek, Sect. "M" Carrollton-New Philadelphia Rd., Carroll Co., from Laughlin Coal Co., Canton, $28,946; 80 ft. arch bridge over West Fork Sect. "G-3" Youngstown-East Liverpool Rd., Columbiana Co., from Lewis & Copeland, Lima, $20,774. Noted Aug. 5.

O., Akron—W. F. Peters, dir. Pub. Serv., Aug. 3, substructure and approach walls for viaduct at East Exchange St. grade crossing, incl. 98,000 lb. reinforcing 1,450 cu.yd. excav. and 1,260 cu.yd. concrete, from T. E. McShaffrey Constr. Co., 173 South Forge St., limestone $30,167, and gravel $29,535. Engrs. est. $42,900. Noted July 22.

Contracts Awarded

New Jersey—State Hy. Dept., Trenton, 2 bridges on Route 20, Sect. 6 between Franklinville and Malaga, Gloucester Co., to F. W. Schwiers, 90 West St., New York City, $29,351. Noted Aug. 12.

Md., Bethesda—State Roads Comn., Baltimore, three 26 ft. span bridge, etc. over Baltimore and Ohio R.R., on Rockville Pike, Contr. M-74, here, Montgomery Co., to Forbes-Murphy Contg. Co., 406 St. Paul St., Baltimore, $8,675. Noted July 29 under "Maryland."

Tenn., Knoxville — City and Southern R.R., 13th St. and Pennsylvania Ave., Wash., D. C., viaduct, to Roehl & Gervin, 215 North Bway., $184,800; approaches for same, to A. R. McMurray, 507 East Scott St., $45,279. Noted Mar. 12.

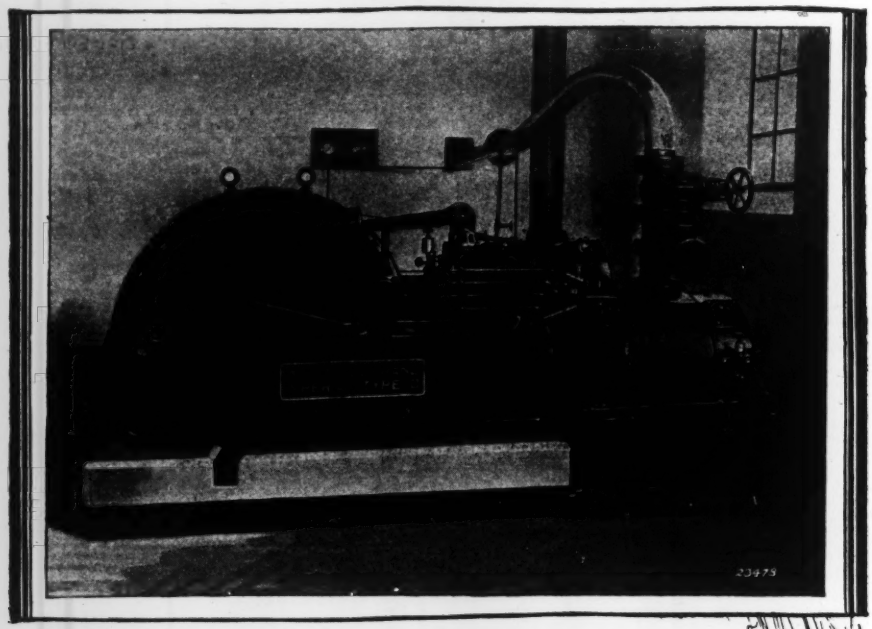
Michigan—State Hy. Dept. at Genesee Co. office Flint, substructure for S. R. Bridge 251301, five 70 ft. span steel deck girder, to L. A. Davidson, Flint, $68,729; and steel, to McClintic Marshall Co., 1242 Book Bldg., Grand Rapids, $20,673. Noted Aug. 19.

Michigan — State Hy. Dept., at Grand Rapids, 7 span 260 ft. steel plate girder bridge over Muskegon River, Muskegon Co., to Love Constr. & Eng. Co., Union Bank St., Muskegon, $37,344; steel work, to Muskegon Boiler Wks., Clay Ave. and 8th St., Muskegon. Engrs. est. $60,000. Noted July 29.

Michigan—C. T. Vinton, resident engr., Jackson, substructure F. A. Bridge 381703, one 50 ft. span, to R. B. Jackson Co., Jackson, $13,898; steel, to Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis., $2,887. Noted July 15.

Ill., Chicago — Department Pub. Wks., Room 406, City Hall, superstructure for double leaf trunnion bridge over Chicago River, at North Lasalle St., incl. wood or rubber block paving and sidewalks, to

Constr. News page 138



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634-C

Bridges (Continued)

Stroebel Steel Constr. Co., 53 West Jackson Blvd., $539,160. Noted Aug. 12.

Ia., **Sioux City**—See "Unclassified."

Tex., **Groveton** — See "Streets and Roads."

Tex., **Madisonville**—Madison Co., rein.-con. and treated timber pile trestle bridges on 12.562 mi. Highway 21, Federal Aid Project 490-A, to Thomas & Ratliff, Rogers, $51,952.

Washington—State Hy. Dept., Olympia, replacing wooden trestle with creosoted pile trestle, 23 ft. roadway, 4 ft. timber sidewalks, etc., over Gages Slough, on State Rd. 1 between Mt. Vernon and Burlington in Skagit Co., to P. A. Harrington, Coupeville, $27,687.

Calif., Oakland—Alameda Co., rein.-con. bridge over Arroyo Del Valle at Cresta Blanca, to Rocca & Caletta, 185 Stevenson St., San Francisco, $48,397. Noted Aug. 12.

Dams

Proposed Work

Mo., Lees Summit—See "Waterworks."

Bids Desired

Mass., Cohasset — Aug. 28, by J. J. Grassie, harbor master, new dam and tide gate, Gulf River. $25,000. Private plans.

N. J., Newton—Aug. 30, by Town Com., Spring St., repairs, additions and alterations at Morris Lake Dam, etc., at Morris Lake, Sussex Co. W. J. Hardin, town engr.; adv. E. N.-R. Aug. 26.

British Columbia—Sept. 7, by L. E. O'Brien, secy. Dept. Wks., Ottawa, Ont., reinforcement 1,900 ft. dam 40 ft. wide, and 1 to 4 ft. slope, incl. two rows pile protection filled with rock, sand, etc., at Woodwards Slough, Fraser River, here. $60,000. K. M. Cameron, c/o owner, engr.

Railways

Proposed Work

Ohio — Columbus, Delaware & Marion Electric Co., Marion, takes bids about Sept. 16, 3,300 ft. tracks in Davids St., in Marion. $20,000-$30,000.

Contracts Awarded

Ohio — Baltimore & Ohio R.R., H. A. Lane, Baltimore, ch. engr., freight yards, tracks, round house, in Youngstown, here, to Bates & Rogers Constr. Co., Engineers Bldg., Cleveland. Engrs. est. $750,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Long Branch—City Comn. plans 2 jetties at northern end of city. $60,000. State Bd. Commerce & Navigation appropriates toward cost. J. Strolls, Long Branch, engr.

Bids Desired

N. J., Barnegat—Aug. 27, by Union Twp. Com., 690 ft. bulkhead and fill back of same along Double Creek. R. F. Elverson Barnegat, clk.

N. J., Belmar—Sept. 13, by Mayor and Boro Council, Boro Hall, 9th and E Sts. stone breakwater and jetty, on Atlantic Ocean. F. V. Thompson, clk.; adv. E. N.-R. Aug. 26.

N. J., Dover—Sept. 9, by Morris Canal & Banking Co., Arrow Bldg., Blackwell and Sussex Sts., reconstructing and dismantling work on Sect. 21-51, Morris Canal, extending through Washington, Mansfield and Independence Twps. Engrs. est. $135,379. H. B. Kummel, genl. mgr.; adv. E. N.-R. Aug. 26.

N. J., Jersey City—Sept. 13, Hudson Co. Park Comn., 921 Bergen Ave., filling and work connected therewith, at West Side County Park. J. Filorama, Jr., secy.; adv. E. N.-R. Aug. 26.

Ill., King—Aug. 27, by Drainage Comrs. D. D. 1, Morrisonville State Bank, clearing out surface ditches above and along Tiel-Drains of D. D. 1. J. W. Dappert, Taylorville, engr.

Ark., Lake Village — Sept. 6, by Bd. Comrs. Chicot Co. D. D., concrete sluiceway in Main D. D. 2. J. Sloss, chn. Ayers & Miller, McCall Bldg., Memphis, Tenn., engrs.

Bids Received

New Jersey—Bd. Commerce & Navigation, State House, Trenton, dredging 102,000 cu.yd. 2 sections beach channel, at Beach Haven, Little Egg Harbor Bay, Atlantic Co., from Quinlivan & Wilms Dredging Wks. Corp., 90 West St., New York City, at $0.42 per cu.yd. Noted Aug. 5.

Contracts Awarded

New Jersey—Bd. Commerce & Navigation, State House, Trenton, dredging section proposed Inland Waterway connecting Barnegat Bay with Manasquan Inlet, to Quinlivan & Wilms Dredging Wks. Corp., 90 West St., New York City, at $0.55 per yd. Noted July 29.

Ind., Ft. Wayne—See "Buildings—Commercial under Bids Desired."

Ill., Lincoln Park (sta. Chicago)—Commissioners Lincoln Park, Clark and Center Sts., Chicago, new 6,000 ft. pile and stone breakwater, 12 ft. wide, in Lake Michigan from Lincoln Park to Montrose Ave., here, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. $1,262,000 bonds voted for same.

Streets and Roads

Proposed Work

New York—A. W. Brandt, comr. Highways, Albany, rejected bids Aug. 6, constructing 1.06 mi. Highway 1738, Murray-Kendall Rd., Part. 1, Orleans Co. Noted Aug. 12.

N. J., Perth Amboy—Bd. Aldermen plans improving 6 streets. $185,000.

N. J., Vincentown—Southampton Twp. Com. plans asphaltic macadam paving 3.4 mi. Vincentown-Pemberton Rd. $25,000. Engineer not selected.

N. C., Asheville—Plans election $1,000,000 bonds, new streets, sewers and waterworks, etc., in various streets. H. Cathey, mayor.

N. C., Bladenboro—Plans issuing $35,000 bonds, paving Main St. Noted Mar. 11.

O., Canton — Plans asphalt on concrete paving 6 blocks Arnold Ave. N. W., 40 ft. $35,000. W. C. Sarver, Canton, engr.

O., Cuyahoga Falls—Plans paving, etc. South Main St., $36,498; and North 3rd St., $25,000. A. E. Ranney, city engr.

O., Martins Ferry—Plans election $125,000 bonds, brick paving Zane and 10 other streets.

O., Wellsville — Plans improving Main St. $30,000-$35,000.

Michigan—H. G. Oakes, resident engr., Cadillac, takes bids about Sept. 10, concrete paving 8.08 mi. F. A. 129, Sect. D, 20 ft., Grand Traverse Co., for State Hy. Dept., Lansing.

Michigan — R. A. Beers, resident engr., Kalamazoo, takes bids about Sept. 9, concrete paving 5.903 mi. F. A. 139, Sect. A, 20 ft., Berrien Co., for State Hy. Dept., Lansing.

Michigan—E. R. Benkert, resident engr., Port Huron, takes bids about Sept. 11, concrete paving 3.957 mi. T. L. 81-8, 18 and 20 ft. Tuscola Co., for State Hy. Dept., Lansing.

Michigan—A. R. Schaefer, resident engr., Newberry, takes bids about Sept. 3, concrete paving approximately 6 mi. T. L. 12-64, 20 and 40 ft., Delta Co., for State Hy. Dept., Lansing.

Michigan—State Hy. Dept., at Petosky, takes bids about Sept. 7, concrete widening 1 mi. T. L. 11-87, 20 ft., Emmet Co. G. H. Green, Alpena, resident engr.

Missouri — State Hy. Dept., Jefferson City, making plans 30 ft. grading 43.5 mi. roads in 8 counties; 18 ft. graveling 86.6 mi. in 9 counties; and 18 ft. concrete paving 14.7 mi. in Livingston Co., approximately 67 mi. roads in 17 counties. B. H. Piepmeier, ch. engr.

Tex., Abilene—Taylor Co. takes bids about Sept. 1, grading and two bridges over 20 ft. span on Highway 30, Federal Aid Project 90-A. $38,700. L. C. McCanlies, Abilene, engr.

Tex., Galveston—Galveston Co. making plans grading, bridging and rein.-con. paving 2.91 mi. Highway 6, Federal Aid Project 466-J, 18 ft. $142,000. C. C. Washington, Galveston, co. engr.

Tex., Kerrville—Kerr Co. making plans grading, bridging, etc. 15 mi. Highway 41, 18 ft. $218,232. W. E. Simpson Co., 414 Natl. Bank Commerce Bldg., San Antonio, engrs.

Tex., Orange — Making plans and soon takes bids grading, etc. 16th St. $30,000. Address A. Payne, Orange, co. comr.

Tex., Quanah—Hardeman Co. making plans grading, bridging, etc. 7.84 mi. Highway 5, Federal Aid Project 501 B, Unit 1, 26 ft. $44,142.

Tex., Terrell — Plans election $50,000 bonds hard paving West College St. J. P. Barnett, city mgr.

Calif., Los Angeles—Bd. Supervs. Los Angeles Co. takes bids about Sept. 15, grading, curbing, 2 in. willite or asphaltic concrete paving 125,718 sq.ft. Rowan Ave., $40,536; 2 in. sheet asphalt or 3 in. asphaltic concrete paving, etc. 4,681 sq.ft. Vermont Ave., $137,317; sidewalks and rock and oil screenings, etc. 120,220 sq.ft. Hazard St., etc., $32,724.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Sept. 7, grading, paving, etc. Hazelton, Blakeslee and Union Aves. also Sepulvide and Glen Holly Sts. $250,000. J. C. Shaw, City Hall, engr.

Bids Desired

Mass., Boston—Aug. 30, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Priscilla Rd., Maple and Dunkeld Sts. $25,000. J. H. Sullivan, comr.

Mass., Boston—Sept. 2, by Metropolitan Dist. Comn., grading surfacing, etc. Charles River Reservation from North Harvard St., to Western Ave. $25,000 or more. J. R. Rablin, engr.

Mass., Millis — Aug. 31, by Dept. Pub. Wks., Boston, gravel with bituminous surface treatment 2,000 ft. highway, here. W. F. Williams, comr.

Rhode Island — Sept. 1, by State Hy. Dept., Providence, rein.-con. paving 1.6 mi. Federal Aid Project 33, Contr. 2617; and bituminous macadam paving 0.9 mi. Contr. 2618; adv. E. N.-R. Aug. 26.

Connecticut—Sept. 7, by State Hy. Dept., Hartford, paving, etc., in Old Saybrook, Harwinton, Salisbury, Norfolk, Danbury, Ridgefield, Redding; grading, etc., in Berlin; and paving and bridging in New Milford; also bridges, etc., in East Windsor, Sterling, Westport, Fairfield, Roxbury, Plymouth, Harwinton, and Berlin. J. A. Macdonald, comr.; adv. E. N.-R. Aug. 26.

N. Y., Alexandria Bay—Sept. 8, by Village, rein.-con. paving Anthony, Market and Bethune Sts. W. T. Field, Watertown, consult. engr.; adv. E. N.-R. Aug. 26.

N. Y., Brooklyn—Sept. 1, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and curbing Quentin Rd.; grading and permanent asphalt on 6 in. concrete paving Kings Highway from West 10th to West 6th St., Kings Highway from Gravesend Ave. to Ocean Parkway, Quentin Rd., Boerum and Scholes Sts., Union St. from Brooklyn to Kingston Aves., and Union St. from Kingston to Albany Aves.

N. Y., New York — Aug. 31, by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., granite block on concrete paving Entrance Plaza, known as Contr. 23 of Holland Tunnel. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions.

N. Y., New York—Aug. 31, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and sheet asphalt on concrete repaving 40th St. from Park to 6th Aves.

N. Y., St. George — Sept. 1, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and paving Winter and Corson Aves.; grading, curbing, sidewalks, etc. on Vanderbilt and Forest Aves. also grading and bituminous macadam paving Ocean and Hanover Aves.

N. Y., White Plains — Sept. 10, by Bd. Supervs. Westchester Co., Court House, asphaltic concrete or warrenite paving New York Post Rd. (County Rd. 53) from Rathbun to Mamaroneck Aves., here; adv. E. N.-R. Aug. 26.

New Jersey — Sept. 13, by State Hy. Comn., Trenton, grading, etc., Route 7, Sects. 6 and 7 from Freehold to Hightstown, Monmouth, Mercer and Middlesex Counties. A. L. Grover, secy.; adv. E. N.-R. Aug. 26.

N. J., New Brunswick—Aug. 30, by H. Van Dewater, twp. clk., concrete paving 10,490 sq.yd. How and Mill Lanes, etc. R. P. Wilson, 46 Paterson St., engr.

N. J., Freehold—Sept. 8, by Bd. Freeholders Monmouth Co., Court House, rein.-con. paving 2.95 mi. Farmingdale-Hamilton Rd. 69; also 392 ft. uniformed rein.-con. approaches to Bridge 0-35. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Aug. 26.

N. J., South River—Sept. 2, by Freeholders Middlesex Co. (New Brunswick) concrete paving 13,100 sq.yd. Whitehead Ave., here. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

N. J., Trenton—Sept. 8, by C. N. Lowrie, landscape archt., State House, constructing

Constr. News page 139

Streets and Roads (Continued)

roads and walks on grounds of New Jersey School for Deaf, near here; adv. E. N.-R. Aug. 26.

Pennsylvania — Sept. 8, by State Hy. Dept., Harrisburg, rein-con. or bituminous penetration, paving roads in Butler, Cambria, Clarion, McKean, Schuylkill, Somerset, Susquehanna, and Westmoreland Counties. W. H. Connell, eng. executive and deputy secretary highways; adv. E. N.-R. Aug. 26.

Pennsylvania — Sept. 9, by State Hy. Dept., Harrisburg, grading, rein.-con. and bituminous macadam paving roads in Blair, Bradford, Bucks, Leigh, Chester, Clinton, Dauphin, McKean, Northampton, and Westmoreland Counties. W. H. Connell, eng. executive and deputy secretary highways; adv. E. N.-R. Aug. 26.

Pa., Phila. — Sept. 1, by H. E. Elhers, dir. Dept. City Transit, concrete and granite block paving Broad St., from Stiles to Montgomery Sts., Contr. 160.

Maryland—Aug. 31, by State Rds. Comn., Baltimore, sheet asphalt paving 0.69 mi. Contr. BC-65, in Baltimore. J. N. Mackall, chn.; adv. E. N.-R. Aug. 26.

Md., Baltimore—Sept. 1, by Bd. Awards, grading 24,000 cu.yd. streets listed in Contr. 367. S. Purcell, City Hall, Highways engr.

W. Va., Kermit—Sept. 7, by State Road Comn. and Mingo Co. Court, (Williamson), improving 0.38 mi. road across Burning Creek, near here, 19,440 cu.yd. excav., 9,000 sta. overhaul, etc. F. Sluss, Williamson, co. road engr.

Georgia—Sept. 10, by State Hy. Dept., East Point, constructing 43.45 mi. Coastal Highway between Savannah and Darien, in Bryan, Liberty and McIntosh Counties. W. R. Neel, East Point, engr.

Fla., Apalachicola—Sept. 14, by Bd. City Comrs., F. B. Wakefield, treas., concrete paving, etc., 44,300 sq.yd. various streets. E. S. Fraser, city engr.; adv. E. N.-R. Aug. 26.

Tenn., Dyersburg—Aug. 30, by Dyer Co. Pike Comn. 2, at office L. C. Brayton, consult. engr., 1st Citizens Natl. Bank Bldg., 9 ft. concrete slab on 161,936 sq.yd. various roads.

O., Caldwell—Aug. 27, by Comrs. Noble Co., improving 1.25 mi. Coal Ridge Hiramsburg Rd.; also 0.08 mi. Pleasant City-Sarahsville Co. Highway. L. G. Tarleton, clerk.

Ind., Albion—Aug. 27, by Noble Co., constructing 1.209 mi. Haver Rd., $33,000; and 2.954 mi. Barker Rd., $83,798. O. E. Pressler, Albion, aud.

Ind., Crown Point—Aug. 23, by Lake Co. constructing James Malone Rd. $39,000. W. E. Whitaker, Crown Point, aud.

Ind., Fort Wayne — Sept. 6, by Comrs. Allen Co., constructing 15.015 mi. Roller Rd., $32,797; and 15.844 mi. Buskirk Greek Rd., $13,871. T. H. Johnson, Ft. Wayne, aud.

Ind., Goshen—Aug. 30, by Comrs. Elkhart Co., grading, and concrete paving 5,272 ft. Road T-2, Osolo Twp., $25,697; also 3,300 ft. Road R-3, Concord Twp., $15,510. C. A. Croop, aud.

Ind., Hartford City—Aug. 31, by Comrs. Blackford Co., emulsified asphalt and concrete paving W. C. McGeath Rd. $26,000. R. Werber, Hartford City, aud.

Ind., Indianapolis — Sept. 3, by Marion Co., bituminous macadam paving 10,440 sq.yd. East 46th St. $27,725. H. Dunn, Indianapolis, aud.

Ind., Liberty—Sept. 6, by Comrs. Union Co., constructing W. A. Thompson Rd. $44,520. G. B. Howren, Liberty, aud.

Ind., Princeton — Sept. 8, by Comrs. Gibson Co., paving O. L. Collins Rd., concrete $45,897, rock or emsulsified asphalt $52,181. A. M. Johnson, Princeton, aud.

Ind., Vincennes—Sept. 7, by Comrs. Knox Co., concrete paving 5.971 mi. Milton Dugger Rd. $160,070. G. W. Donaldson, Vincennes, aud.

Ind., Warsaw — Aug. 27, by Kosciusko Co., concrete paving 11,110 ft. Southwest Poor Rd. $47,537. H. Breading, Warsaw, aud.

Ind., Winamac—Sept. 7, by Pulaski Co., constructing George Kintz Rd. $25,000. J. C. Howe, Winamac, engr.

Michigan—Aug. 31, by A. R. Schaefer, resident engr., Newberry, concrete paving 63,034 sq.yd. F. A. 126, Sect. A, Menominee Co., for State Hy. Dept., Lansing. Noted July 29.

Michigan — Sept. 1, by A. R. Schaefer, resident engr., Newberry, concrete paving 25,152 sq.yd. F. A. 159, Sect. A, Schoolcraft Co., for State Hy. Dept., Lansing. Former bids rejected. Noted Aug. 5.

Illinois — Aug. 31, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete, with or without binder course paving 0.76 mi. Sect. 41-X, and 2.02 mi. Sect. 42, both Route 11, Madison Co.; also one 51 ft. span rein.-con. girder bridge and two 53 ft. span rein.-con. overhead bridge on Route 12, Sect. 31-V, St. Clair Co. F. T. Sheets, highway engr.

Constr. News page 140

Wisconsin—Sept. 1, by State Conservation Comn., Trout Lake, grading 25,000 cu. yd. Trout Lake-Plum Lake Rd., and 42,-854 cu.yd. Woodruff-Boulder Junction Rd., both Vilas Co. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Sept. 1, by State Hy. Comn., at office 8, 1st Natl. Bank Bldg., Superior, grading, graveling, etc., 2,506 cu.yd. Federal Aid Project 377-D, Douglas Co.; also 8,010 cu.yd. Federal Aid Project 121-S, Bayfield Co. J. T. Donaghey, Madison, ch. engr.

Ia., Cedar Rapids—Sept. 9, by City, L. J. Storey, city clk., 7 in. rein.-con. paving 9,230 sq.yd. 2nd St., W., K St. W., and 16th Ave. W. $26,000.

Ia., Mt. Ayr—Aug. 31, at office Auditor Ringgold Co., graveling 6.2 mi. Primary Project 462, 6,660 cu.yd. excav., etc.; and 14,840 cu.yd. gravel. Primary Project 359.

Ia., Oskaloosa—Aug. 30, at office Auditor Mahaska Co., graveling 6,250 cu.yd. Glendale Rd.

Ia., Spencer—Aug. 30, at office Auditor Clay Co., graveling 8.5 12,100 cu.yd. secondary roads. F. Campbell, Spencer, co. engr.

Ia., Waverly—Aug. 30, at office Auditor Bremer Co. grading 100,000 cu.yd. Federal Aid Project 283.

Minn., St. Paul — Aug. 31, by A. E. Eggert, city purch. agt., paving Charles, Carleton, East 6th, Sts., Mt. Curve Bldg., Otto, Finn and Cretin Aves. C. M. Shepard, city engr.

Neb., Omaha—Aug. 31, by J. P. Hoctor, city clk., grading and alternate types paving, etc. 36th, 41st, Burdette, Pratt, Hamilton, Pine, 52nd, Taylor and 58th Sts., 48th and 25th Aves. H. Beal, city engr.

N. D., Fargo—Sept. 8, by F. F. Doherty, aud. Cass Co., grading 15 mi. Township Line Rd. from southwest corner Sect. 31, Hunter Twp. east to southeast quarter Sect. 33, Kenyon Twp. connecting with Meridian Highway. W. B. Stevenson, co. engr.

Colorado—Sept. 1, by State Hy. Dept., Denver, gravel surfacing, etc., 6,680 cu.yd. Highway 10, Federal Aid Project 262-H, Huerfano Co.; and 3,950 cu.yd. Highway 6, Federal Aid Project 258, Constr. Div. 1; Montrose Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

California—Sept. 7, by State Hy. Comrs., Sacramento, widening and asphaltic concrete paving, etc. 2.5 mi. highway through Ross and Larkspur, Marin Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Los Angeles—Supervs. Los Angeles Co. taking bids improving Sproule Ave., etc. Impvt. 581, 16,099 cu.yd. grading, 44,-436 ft. 6 x 8 x 15 curbing, 133,024 sq.ft. 6 in. concrete guttering, 197,653 sq.ft. sidewalks, 611,057 sq.ft. oil and rock screenings, etc. To exceed $135,000.

Calif., Oakland—E. K. Sturgis, city clk., taking bids grading, 2 in. warrenite bitulithic on 6 in. concrete paving 71,300 sq.ft. portion West St. W. W. Harmon, city engr.

Calif., Willows — Sept. 2, by Supervs. Glenn Co., 4 in. warrenite bitulithic or 5 in. vibrolithic concrete paving, etc. approximately 4 mi. Willows-Fenney Bridge Rd. B. Knock, Willows, co. surv.

Bids Received

Massachusetts — Dept. Pub. Wks., Boston, bituminous macadam paving 13,000 ft. highway in West Brookfield, from A. Bianci & Son, Longmeadow, $129,000, and 1,931 ft. in Norwell, from A. Carchi & H. L. Cole, Marshfield, $9,199; bituminous concrete paving 5,000 ft. in Plympton from D. J. Roach, Bridgewater, $28,176; rein.-con. and bituminous concrete paving 1,900 ft. in Arlington, from Simpson Bros. Corp., 77 Summer St., Boston, $19,677; concrete bridge and approaches on 620 ft. highway in East Brookfield, from Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $19,175. Noted Aug. 5.

Mass., Boston—Sheet asphalt paving Warren St., from M. De Matteo, 14 Rowe Pl., Rosindale, $56,984.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Blake Ave. $43,223, Avenue J $15,-202, Quentin Rd. $7,577, 52nd St. $18,667, and 54th St. $18,432; from Galco Contg. Co., 745 Dean St., grading Kings Highway $20,474, and from Grimm Contg. Co., 170 McKinley Ave., Quentin Rd. $517. Noted Aug. 12.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Aug. 17, grading Spuyten Duyvil Rd., from W. Hackalt, $36,119. Noted Aug. 12.

New Jersey—State Hy. Dept., Trenton, Aug. 16, grading and rein.-con. paving 52,024 sq.yd. Route 8, Sect. 7, Stockholm-Beaver Lake Rd., Morris, Passaic, and Sussex Counties, from Winston & Co., Midvale, $339,297. Noted July 29.

N. J., Sergeantsville—Delaware & Raritan Twps., penetration macadam paving 10,081 sq.yd. Sergeantsville-Felmington Rd., Hunterdon Co., here, from Sigafoos & Poore, Riegelsville, Pa., $59,695. Noted Aug. 5.

N. J., Springfield—Union Co. (Elizabeth), concrete paving 16,701 sq.yd. Springfield Ave., from Chapman & Son, Hillside, $116,-800.

Pennsylvania—State Hy. Dept., Harrisburg, Aug. 10, **(A. means Application and R. means Route)**, one course rein.-con. paving 1,684 ft. R. 20, Bradford Co., from Montour Constr. Co., 797 Moore Ave., Williamsport, $27,534, 57,183 ft. R. 93, Sects. 1 and 2, Warren and Forest Counties, from Kirkpatrick & Wallis, Johnsonburg, $266,-787, 9,514 ft. R. 113, Sect. 6, Washington Co., from Jones Constr. Co., Woodlawn, $92,346, 23,923 ft. R. 69, As. 3031-3764, Armstrong Co., from W. W. Harper Constr. Co., Harrison Bldg., Somerset, $183,327, 26,593 ft. R. 441, A. 3548, York Co., from Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., $189,294, 9,488 ft. R. 197, A. 4278, Montgomery Co., and 4,234 ft. R. 165, Sect. 3, Northampton Co., from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $66,948 and $46,444 respectively, 10,896 ft. A. 3986, Allegheny Co., from F. W. Scott Co., Hays, $162,119, 5,448 ft. R. 89, Sect. 1, Warren Co., from H. E. Bunce, Conneaut Lake Park, $36,169, 19,450 ft. R. 395, A. 4099, Allegheny Co., from Wilmerding Supply Co., Wilmerding, $193,231, 17,626 ft. R. 188, As. 3913-3914, Westmoreland Co., from State Constr. Co., New Kensington, $182,460, 4,000 ft. R. 119, Sects. 4-A and 6, Westmoreland Co., from Thomas Cronin Co., South 18th and Fox Sts., Pittsburgh, $48,-737, and 11,018 ft. Rs. 87-258, Erie Co., from Winter & Yaple, 909 Cascade St., Erie, $93,269; waterbound macadam paving 58,000 ft. R. 7, Sects. 1 and 2, Pike Co., from David Schoentag, Inc., Saugerties, N. Y., $167,933, 10,560 ft. R. 103, A. 3968, and 13,750 ft. R. 236, As. 3359-3979, Potter Co., from D. L. Dennis, Galeton, $30,648 and $39,843 respectively; also constructing 2 rein.-con. span bridge on R. 224, Franklin Co., from J. S. McIlvaine & Co., Chambersburg, $10,239. Noted July 22.

Md., Baltimore—Bd. Awards, sheet asphalt paving 8,200 sq.yd. streets listed in Contr. 361, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $29,644; concrete paving 10,760 sq.yd. Contr. 362, from P. Reddington & Sons, 2 East Lexington St., $26,180.

O., Cincinnati—Hamilton Co., tar bound macadam repaving 24,863 sq.yd. Shawnee Run Rd., from J. F. Shanklin, 2303 Center St., Covington, Ky., $109,742. Engrs. est. $132,266.

O., Cleveland—Bd. Comrs. Cuyahoga Co., paving 63,900 sq.yd. Turney Rd., from Thorpe Constr. Co., Society for Savings Bldg., concrete $292,567, from J. Fisher, 16116 Lorain Rd., brick $347,627, and from Enterprise Paving & Constr. Co., 8444 Bway., asphalt $313,696.

O., Cleveland—Bd. Comrs. Cuyahoga Co., Aug. 11, grading, curbing, guttering and paving 47,300 sq.yd. North Woodland Rd., from Highway Constr. Co., Guarantee Title Bldg., asphalt $239,025, from Rieley Bros., The Arcade, brick $271,638 and from Loesch & Green, State Rd., Parma, concrete $225,284. Noted Aug. 5.

Michigan—A. R. Schaefer, resident engr., Newberry, Aug. 9, one course graveling 7.51 mi. T. L. 77-1, Sect. B., 16 ft., Alger Co., from C. Bridges, Norway, for State Hy. Dept., Lansing. $115,232. Noted Aug. 5.

Michigan—A. R. Schaefer, resident engr., Newberry, concrete paving 2.144 mi. F. A. 159 Sect. A., 20 ft., Schoolcraft Co., from Nebel Bros., Gladstone, for State Hy. Dept., Lansing. $62,263.

Michigan — C. Vinton, resident engr., Jackson, grading, etc. 1.21 mi. T. L. 39-13, Ingham Co., from Lansing Excav. Co., Lansing, for State Hy. Dept., Lansing. $44,293. Noted June 24.

Washington—State Hy. Dept., Olympia, Aug. 10, crushed rock surfacing, etc. 4.74 mi. State Rd. 22, Lincoln Co., from Logan Bros., 21 Stangler Bldg., Pendleton, Ore., $41,456; and grading, etc. 1.6 mi. State Rd. 5, Pierce Co., from J. M. Brewster, 232 Pioneer Bldg., Seattle, $35,687.

Wash., Seattle—Bd Pub. Wks., Aug. 6, from J. L. Smith, 304 West 36th St., improving East 73rd St. et al., 1,720 lin.ft. concrete curbing at $0.55 per lin.ft., 6,700 cu.yd. excav. $0.50, 22,185 sq.yd. 6 in. con-

Streets and Roads (Continued)

crete paving $1.48, and 5,015 sq.yd. 7 in. concrete paving $1.63, etc., total $73,774.

Wash., Shelton—City Comrs., Aug. 2, paving, etc. Main St., et al., from Moceri Bros., 924 23rd Ave., Seattle, $78,631. Engrs. est. $95,000.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 3,020 ft. highway in Norwell, to A. W. Loud, 42 Brooks St., Wollaston $13 629, 4 800 ft. in Hamilton, to Welch & Moynihan, 15 Front St., Salem $23,891, 5,764 ft. in Framingham, to B. Perini & Sons, Ashland, $33,159, and 6,653 ft. in Southbridge, to Indianhead Constr. Co., Faitburn Bldg., Lowell, $41,-856; also graveling 7,230 ft. in Princeton, to Holmes & Reynolds, Rosindale, $27,924. Grand total $140,459. Noted Aug. 12.

Mass., Boston—Sheet asphalt paving Meridian St., East Boston, to A. De Stephano & Son, 288 Summer St., Boston, $36,551. Noted Aug. 12.

New York—A. W. Brandt, comr. Highways, Albany (**e. e. means engineer's estimate**) constructing 2.78 mi. Southern State Parkway, Nassau Co., to Sprague Constr. Co., Mott Ave., Far Rockaway, $287,719 e. e. $341,645; 5.26 mi. Highway 8261, Milford-Rosebloom Rd., Part 2, Otsego Co., to J. F. Paddleford, Cherburne $257,799 e. e. $352,285; 2.63 mi. Repair Contr. 1541, Jericho Turnpike Part 1, Highway 9020, Nassau Co., and 4.99 mi. Repair Contr. 3152, Canton-DeKalb Rd., Highway 5116 and Gouverneur-DeKalb Rd., Highway 5238, St. Lawrence Co., to Harrison Eng. & Constr. Corp., Ellicott Bldg., Buffalo, $277,-801 and $185,595 respectively, e. e. $347,752 and $224,211 respectively. Grand total $1,008,914. Noted Aug. 12.

N. Y., Albany—Bd. Contract & Supply, improving Grand Blvd., to T. S. O'Brien, 313 Delaware Ave. $14,876, Garden St., to W. S. Campion, Albany $15,479, Russell-Blessing Rd. and laying sewer in Cuyler Ave., to S. B. Easton, 47 Fairlaw Ave. $33,044 and $7,639 respectively; sewer in Kenosha and Orange Sts., to B. Trimpoli, 124 Altamont Ave., Schenectady $12,380 and $4,797 respectively. Grand total $88,-215. Noted Aug. 5.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to R. Lynster, 1364 Sterling Pl., grading Rockaway Blvd., $3,255; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Ditmas Ave. $2,440, and Tillary St. $1,134, to M. J. O'Hara, 557 3rd St., Colonial Rd. $3,880, East 28th St. $6,974, Sedgwick St. $2,972, and 48th St. $3,351, and sidewalks on Troy Ave. $5,798, to Castle Bros., Johnston Pl., sidewalks on East 28th St. $2,730, to G. M. Mandato, 210 Neck Rd., on Troy Ave. $3,225, and to J. M. Fox, 270 Herkimer St., on 8th Ave. $570. Grand total $36,-320. Noted Aug. 12.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading Waring Ave., to Grammaglia Bros., 48 East Kings Bridge Rd. $4,775; sheet asphalt paving Jesup Ave. to Interboro Asphalt Co., 2306 Creston Ave. $57,948, Olmstead Ave., to Asphalt Constr. Co., 2195 Madison Ave. $76,848, East 208th St. to Brusstar Constr. Co., Edgewater Rd. and Stafford Ave. $33,029, Inwood Ave., to C. D. Beckwith, Seneca Ave. and Edgewater Rd. $38,033, and Walton Ave. to Gaffney Constr. Corp., Story and Hermany Aves., $27,878. Grand total $238,511. Noted Aug. 12.

New Jersey—State Hy. Comn., Trenton, rein.-con. paving Route 4, Sect 34A Cliffwood-Keyport Cutoff, Monmouth Co., to Decker & Canning, 395 Grove St., Newark, $273,577. Noted Aug. 12.

N. J., Paulsboro—Gloucester Co. (Woodbury), concrete paving 23,812 sq.yd. Paulsboro-Swedesboro Rd., to F. A. Canuso & Son, 804 South 12th St., Phila., Pa., $89,-327.

N. J., Port Murry—Freeholders Warren Co. (Belvidere), concrete paving 1.5 mi. Anderson Schoolhouse-Port Murry Rd., here, to H. Y. Sumangon, Hackettstown, $58,164.

N. J., Toms River — Bd. Freeholders Ocean Co., seal coating with light hot oil Sects. 2, 3 and 4, Lakewood-New Egypt Rd., to Asphalt Serv. Co., 84 Bayard St., New Brunswick, $8,367. Noted July 15.

Pennsylvania—State Hy. Dept., Harrisburg, grading and rein.-con. paving 40,214 sq.yd. Route 358, Jefferson Co., to Fort Pitt Constr. Co., Martin Bldg., Pittsburgh $168,-328, 9,026 sq.yd. Route 362 A. 3916, Montgomery Co., to Dalton Bros., Paoli $45,80€, 9,669 sq.yd. Route 89, Sect. 1, Warren Co., to H. E. Bunce, Conneaut Lake Park $36,-169 and 416,511 sq.yd. Route 197, Montgomery Co., to R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton $66,948; also bituminous surface treating 113,853 sq.yd. Route 8, Sects. 1 and 2, Pike Co., to D. Schoentag, Saugerties, N. Y., $167,933. Grand total $485,184.

Pennsylvania—State Hy. Dept., Harrisburg, grading and rein.-con. paving, etc. 41,686 sq.yd. Route 75, Application 3677, Venango Co., to Russell Bros., Youngstown, O., $174,258; and 44,866 sq.yd. Application 3908, Northampton Co., to G. H. Hardner, Allentown, $156,634. Noted July 15.

Pa., Greensburg—Westmoreland Co., concrete paving 3.25 mi. Greensburg-Mt. Pleasant Rd., to Gray Bros., Latrobe, $113,-063.

Ohio—Dept. Highways & Pub. Wks., Columbus, concrete paving 1.763 mi. Sect. "R" Ohio River Rd., 20 ft., Jefferson Co., and extension bridge across Willis Creek on same road, to H. M. Bates, Steubenville, $93,382 and $11,822 respectively; bituminous concrete paving 1.78 mi. Sect. "N" Steubenville Cambridge Rd., 18 ft., Jefferson Co., to Timmons Bros., Cadiz, $64,573; sheet asphalt paving 0.218 mi. Harding Memorial, Columbus, Delaware Rd., 30 ft., Marion Co., to P. Drake & Sons, Marion, $25,662. Grand total $197,439. Noted Aug. 12.

O., Akron—W. F. Peters dir. Pub. Serv., **(e. e. means engrs. est.)** grading, curbing and Texaco asphalt paving 1,940 sq.yd. Crouse St., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $15,696 limestone concrete paving, etc. 1,165 sq.yd. Johnston Court, to Hollinger & Davidson, 435 South Bway. $4,436 e. e. $6,300; grading, curbing walks and trinidad asphalt paving, etc. 2,030 sq.yd. Mercer Ave., and 8,950 sq.yd. Glendora Ave., to McCourt Constr. Co., 369 South Main St., $14,150 and $49,947 respectively, e. e. $19,600 and $67,500 respectively; grading, sewers and Texaco asphalt paving 4,095 sq.yd. Locust St., to T. E. McShaffrey Constr. Co., 173 South Forge St., $17,758 e. e. $23,350; grading, sewers, walks, etc. on 48,500 sq.ft. Arnold Ave., et al., to McAlonan Bros., 506 Woodland Ave., $61,215 e. e. $77,800. Grand total $163,202. Noted Aug. 12.

O., Akron—Summit Co., limestone paving 3 mi. Boston Mills-Hudson Rd., to Newell & Smith, Defiance, $124,796. Engrs. est. $125,000. Noted Aug. 5.

O., Canton—Stark Co., improving 4.2 mi. Harrisburg-Alliance Rd., 16 ft., to A. J. Orr, Marion, $191,180. Engrs. est. $200,-000.

O., Cincinnati—Improving Sects. 1, 2 and 3 Central Parkway, 500 lin.ft. granite and 10,200 lin.ft. concrete curbing, 22,080 lin.ft. brick and 9,800 lin.ft. concrete guttering, 347,200 sq.ft. cement sidewalks, 46,000 cu.yd. earth excav., 10,400 sq.yd. vertical fibre brick, 10,200 sq.yd. granite block, 80,-000 sq.yd. sheet asphalt and 2,900 sq.yd. concrete paving, etc., to General Asphalt Co., 1268 Deuber Ave., Canton, $807,848. Engrs. est. $994,676.

O., Cleveland—Cuyahoga Co., grading, guttering and 9 in. concrete paving 12,000 sq.yd. Harvard Ave., to Cleveland Trinidad Paving Co., The Arcade, $53,712.

O., Cleveland — Cuyahoga Co., vitr. paving, etc. 63,900 sq.yd. Turney Rd., to J. Fisher, 16024 Lorain Ave., $347,627. Engrs. est. $401,000.

O., Cleveland Heights (Warrensville P. O.)—Paving Boynton, Castleton, Hazelton, Radcliffe and St. Albans Rds., to Freshwater Constr. Co., Davis & Farley Bldg., Cleveland, $66,221.

O., Garfield Heights (mail Cleveland)—Cuyahoga Co., bituminous concrete lake asphalt paving Cranwood Park Blvd. and Forestdale Dr., to Thorpe Constr. Co., 3280 Scranton Rd., Cleveland, $25,421 and $8,255 respectively; paving Birchwood Rd., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $10,328. Grand total $44,004. Noted July 29.

O., Youngstown—Mahoning Co. improving Clyde Ave. from Rowland to Delaware Aves., and Wirt Ave. from Parmlee to Belmont Aves., to M. Grein & Son, Youngstown, $28,746 and $36,313 respectively. Engrs. est. $25,000 and $35,000 respectively.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 3.151 mi. T. L. 24-32, 18 ft. Muskegon Co., to J. R. Edelman, Muskegon, for State Hy. Dept., Lansing. $72,070. Noted Aug. 12.

Michigan—W. W. Lavers, resident engr., Plymouth, grading 4.847 mi. A. D. 1120, Sect. B., Macomb Co., to T. E. Currie, 909 Transportation Bldg., Detroit, for State Hy. Dept., Lansing. $29,523. Noted July 22.

Ill., Chicago—Cook Co. Highway Dept., County Bldg., paving 3 mi. 79th St., to Jaicks Bros., 77 West Washington St. $146, 3.5 mi. Cicero Ave., to Pronger Bros., Blue Island, $161,267, 0.4 mi. Rand Rd., to Arcole Constr. Co., Evanston, $24,683, 1 mi. North Ave., River Forest, to Standard Paving Co., Evanston, $21,377, 2.3 mi. Indian Boundary Rd., to J. A. Sackley Co., 4608 Belmont Ave., $109,731, 1.25 mi. Oakton St., Des Plaines, to E. A. Meyer Co., Palatine, $45,776; also Walters Ave. Bridge, Northbrook, and North Ave. Bridge, to Oltendorf Constr. Co., Palatine, $17,145 and $62,192 respectively. Grand total $442,317. Noted July 29.

Ill., Chicago — Bd. Local Impvts., City Hall, grading and paving 3 streets to Amer. Asphalt Paving Co., 133 West Washington St.; 2 streets, to Marquette Constr. Co., 4726 North Winchester St.; 2 streets, to Commonwealth Impvt. Co., 133 West Washington St., 1 street, to J. A. Ross & Co., 4561 Armitage St.; 1 street, to Central Paving Co., 170 West Washington St.; and 1 street, to Hedges Constr. Co., 64 West Randolph St. Noted July 29.

Ill., Glencoe — Grading and rein.-con. paving 42,000 sq.yd. Sheridan Rd., to Highways Constr. Co., Highland Park, $189,-287. Noted July 22.

Ill., Riverside — Village, concrete paving 17,654 sq.yd. various streets, to Byrne Bros. Constr. Co., 624 South Michigan Ave., Chicago, $75,634; watermains and sewers in various streets, to T. H. Iglehart, 166 West Jackson Blvd., Chicago, $5,251 and $5,314 respectively. Grand total $86,199.

Ill., Winnetka — Concrete paving, etc. 21,500 sq.yd. Center St., to H. G. Goelitz, Oak Park, $157,775.

Tex., Groveton—Trinity Co., clearing, grubbing, bridging, etc. 23.446 mi. Highway 94, State Aid Projects 677 B, C and D, to J. S. Moore, Lufkin, $145,515. Engrs. est. $189,400.

Calif., Los Angeles — Supervs. Los Angeles Co., grading and concrete paving, etc. 148,010 sq.ft. Easy St., and 359,914 sq.ft. Atlantic Ave., to Griffith Co., 502 Los Angeles Ry. Bldg., $31,203 and $131,-155 respectively.

Calif., Los Angeles—Improving 85th St., to Griffith Co., 402 Los Angeles Ry. Bldg., $38,638; Texas Ave., to Los Angeles Paving Co., 3200 East Vernon Ave., $181,-916; and Micheltorena St., to Chalmers & Ford, 5334 West Helman Bldg., $77,121. Grand total $297,675.

Buildings—Commercial

Proposed Work

N. H., Concord — HOSPITAL and NURSES HOME — Margaret Pillsbury General Hospital having sketches made by J. D. Leland & Co., 41 Mt. Vernon St., Boston, brick hospital addition and nurses home. To exceed $150,000.

Mass., Cambridge (Boston P. O.)—OFFICE—Snider & Drucker, 18 Tremont St., Boston, having preliminary plans prepared by Blackwell, Clapp & Whitemore, 31 West St., Boston, brick and steel, Central Sq., here. $150,000 or more.

Mass., Framingham — OFFICE — West Boston Gas Co., 49 Howard St., having plans prepared by C. H. Baker, 25 Archt St., Boston, brick, Pearl St. and Union Ave. $150,000.

Mass., Holyoke—Y. M. C. A., 367 High St., plans new brick and steel building, Appleton St. $300,000. Private plans.

Mass., Northampton — APARTMENT — Owner, c/o H. C. Hearn, archt., 1387 Main St., Springfield, having preliminary plans prepared brick and steel apartment. $150,-000.

N. Y., Brooklyn—THEATRE—M. Palley, c/o Berlinger & Kaufman, engrs. and archts., 66 5th Ave., New York City, having plans prepared brick, steel and stone, plain foundation, Empire Blvd., here. $200,000.

N. Y., New York — APARTMENT — Compo Realty Corp., c/o G. G. Miller, engr. and archt., 1482 Bway. having plans prepared 6 story, brick, steel and stone, plain foundation, Rochambeau Ave. $400,000.

N. Y., New York — APARTMENT — Twenty-five East 77th Street Co., Inc., c/o Schwartz & Gross, archts. 347 5th Ave. having plans prepared 15 story, 100 x 120 ft., brick, steel and stone, plain foundation, Madison Ave. and 77th St. $1,000,000.

N. Y., New York—APARTMENT—DeKalb Avenue Building Corp., c/o G. G. Miller, engr. and archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, DeKalb Ave. and 208th St. $325,000.

N. Y., New York—APARTMENT—Nalpak Holding Co., c/o G. G. Miller, engr. and archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, 181st St. and Anthony Ave. $250,000.

Constr. News page 141

Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—One Thousand Three Hundred and Thirty-Seven Davidson Avenue Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared 6 story, 90 x 100 ft., brick, steel and stone, plain foundation, Crotona Ave. $175,000.

N. Y., New York—APARTMENT—H. Freed, c/o Glick & Duma, archts., 400 East Fordham Rd., having plans prepared 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Knox Pl. $300,000.

N. Y., New York—APARTMENT—Arthur Holding Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Decatur Ave. and 204th St.

N. Y., New York—APARTMENT—Ognell Realty Co., c/o N. Langer, archt., 81 East 125th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Nelson Ave. $250,000.

N. Y., New York — OFFICE and SERVICE STATION—Packard Motor Car Co., Bway. and 61st St., L. J. Eastman, pres., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 3 story, 100 x 300 ft., rein.-con., brick and steel, plain foundation, Crotona Ave. $750,000.

N. J., Atlantic City — APARTMENT — Liberty Apartment Hotel Corp., c/o S. Abramson, archt., 2315 Walnut St., Phila., Pa., having plans prepared 5 story and basement, 75 x 200 ft., rein.-con., brick and steel, wood pile foundation, Ballic Ave. between New York and Kentucky Aves.

N. J., Newark—MEDICAL ARTS—Civic Enterprises, Inc., c/o N. Harris, archt., 790 Broad St., having plans prepared 9 story, brick, steel and stone, plain foundation, 78 Clinton Ave. $500,000.

Pa., Drexel Hill — APARTMENT and STORE — Mackenzie & Wiley, archts., Bankers Trust Bldg., Phila., preparing plans 2 story and basement, 60 x 100 ft., brick and steel, plain foundation, here. Owners name withheld.

Pa., Johnstown—STORE—Glasser Bros. having preliminary plans prepared by H. M. Rogers, 1010 Johnstown Trust Bldg., 5 story and basement, 39 x 57 ft., brick and steel addition, Franklin St. $175,000.

Pa., Phila.—APARTMENT—M. H. Zimmermann, Real Estate Trust Bldg., having plans prepared by H. E. Fieldstein, Otis Bldg., 3 story and basement, 44 x 172 ft., rein.-con., brick and steel, plain foundation, 36th and East Tulpehocken Sts.

Pa., Phila. — APARTMENT — C. Siegel, Garden Court Apartment, having plans prepared by R. Benckert, 13th and Chestnut Sts., 10 story and basement, 190 x 320 ft., rein.-con., brick and steel, plain foundation, 47th and Pine Sts.

Pa., Phila. — GARAGE — J. S. Fuller, archt., 5438 Locust St., preparing plans 4 story and basement, 62 x 178 ft., rein.-con. and brick, plain foundation, 321-29 North 4th St. $160,000. Owner's name withheld.

Pa., Pittsburgh — HOTEL — Webber & Wurster, archt., 1530 Locust St., Phila., soon lets contract 16 story hotel, here, for Roosevelt Hotel.

Ga., Atlanta—HOTEL APARTMENT—T. M. Armistead Estate, 1087 Peachtree St., having plans prepared by A. Ten Eyck, Forsythe Bldg., 13 story and basement, concrete, brick, steel and stone hotel apartment. $1,000,000.

Tenn., Memphis — HOTEL — A. L. Pritchard, Madison Ave., soon lets contract 8 story, 200 room hotel, Union Ave and South 3rd St. H. Adler, 3rd St. and Union Ave., lessee.

O., Akron—HOSPITAL—City plans altering and constructing hospital addition, East Market St. $500,000.

O., Canton—WAREHOUSE and OFFICE—Roth & Hug Co. plans 4 story and basement, 37 x 133 ft., 2nd St. and Walnut Ave. N. E.

O., Cincinnati—GARAGE—W. E. Huenefeld, 3131 Fairfield Ave., having plans prepared by Garber & Woodward, 4 West 7th St., 7 story and basement, 100 x 140 ft., rein.-con. and brick, plain foundation, 9th St. $200,000.

O., Cleveland — APARTMENT — M. L. Norosny, 1560 Ansel Rd., had plans prepared by M. Weis, 1836 Euclid Ave., 4 story, 76 x 222 ft., brick, incl. steam heating boilers, etc., 1556 Ansel Rd. $250,000.

O., Massillon—HOTEL—C. E. Nickles plans 5 story and basement, 40 x 115 ft. hotel, Main and Plum Sts. $500,000.

O., Zanesville—STORE and THEATRE—Brown Theatrical Co., O. Brown, pres., had plans prepared by Lockwood, Greene & Co., 24 Federal St., Boston, Mass., 1 story, 90 x 140 ft., brick, steel and concrete theatre and store. $200,000.

Ind., Lafayette — LODGE — Knights of Pythias, H. Wade, secy., soon lets contract "Pythian Home for Aged," rein.-con., brick and steel. $200,000. McGuire & Shook, 320 Ind. Pythian Bldg., Indianapolis, archts.

Ind., Whiting — BANK, OFFICE and STORE—Central State Bank takes bids about Sept. 13, 6 story, 40 x 68 x 160 ft., rein.-con., brick and steel bank. $350,000. Peterson & Johnson, Rockford, Ill., archts.

Mich., Detroit—ARENA—Detroit Hockey Club, Inc., J. L. Woods, 615 West Hancock Ave., had plans prepared by C. H. Crane, Griswold St., 1 story, 248 x 342 ft., rein.-con., brick and steel, plain foundation, 15,000 seating capacity, incl. steam heating system, McGraw Ave. $1,200,000.

Mich., Detroit—BANK—Federal Reserve Bank, Detroit Branch, had plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., 3 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, Fort St. $1,200,000.

Ill., Chicago—APARTMENT—C. Wishnack, 112 South Wells St., having plans prepared by McNally & Quinn, 8 South La Salle St., 18 story and basement, 50 x 257 ft., 5861-63 Sheridan Rd., $1,500,000.

Ill., Chicago — BANK, STORE and OFFICE—Hill State Bank 3324 Lawrence Ave., having plans prepared by E. M. Vitzhum & Co., 307 North Michigan Ave. and takes bids about Sept. 19, 7 story and basement, 116 x 125 ft., rein.-con., brick and terra cotta, Lawrence and Kimball Aves. $500,000.

Ill., Chicago—HOTEL and STORE—J. A. Bidderman, 10 South La Salle St., having plans prepared by D. S. Klafter, 64 West Randolph St., 8 story, 53 x 150 ft., rein.-con., brick and terra cotta, incl. 2 automatic elevators, and refrigerating plant, 4539 Sheridan Rd. $850,000.

Ill., Chicago—OFFICE and STORE—Van Buren Building Corp., c/o I. M. Mills, 111 West Monroe St., having plans prepared by D. S. Klafter, 64 West Randolph St., 16 story and basement, 86 x 100 ft., rein.-con., brick and terra cotta, Wells and Van Buren Sts. $1,500,000.

Ill., Chicago—THEATRE, HOTEL and STORE — A. Karzas, 853 East 63rd St., having plans prepared by C. H. Crane & C. H. Betts, 32 West Randolph St., 12 story and basement, 275 x 275 ft., theatre, hotel and store building, East 63rd St. from Maryland Ave. to Drexel Blvd. $5,000,000.

Ill., Lake Forest—THEATRE, STORE and APARTMENT—E. E. Behrens, archt., 695 North Michigan Ave., Chicago, takes bids about Aug. 30, 2 story and basement, 75 x 150 ft., brick, here, for V. Quarta. $150,000.

Wis., Burlington—THEATRE, etc.—W. L. Uglow, 751 Chestnut St., having revised plans prepared by E. Tough, Washington Blvd., Madison, 2 story and basement, 60 x 150 ft., rein.-con., brick and steel, plain foundation. Former bids rejected. Noted June 17.

Wis., Milwaukee—HOTEL—M. Tullgren & Sons Co. (owner and archts.), 9 Waverly Pl., preparing preliminary plans brick and concrete, plain foundation, North end Juneau Park. $1,000,000.

Tex., Beaumont—THEATRE—Jefferson Amusement Co., c/o J. Clements, pres., Perlstein Bldg., having plans prepared by E. Weill, 3607 St. Charles St., New Orleans, La., and takes bids about Oct. 1, 6 story, 80 x 160 ft., brick, steel, rein.-con. and stone, incl. steam heating, plumbing, etc., Fannin St. between Pearl and Orleans Sts. $500,000. Noted July 16.

Calif., Los Angeles — APARTMENT — Lilly-Fletcher Corp., Natl. City Bank Bldg., having plans prepared by Walker & Eisen, Great Republic Bldg., 12 story and basement, rein.-con., Rampart St. and Wilshire Blvd. $1,000,000 or more.

Calif., Los Angeles — OFFICE — P. S. Wright & associates had plans prepared by Dodd & Richards, Brack-Shops Bldg., 12 story and basement, 60 x 156 ft., rein.-con., steel and terra cotta, incl. elevators and steam heating system, 5th and Figueroa St. $1,000,000.

Calif., San Francisco — THEATRE — R. Pincus, Columbia Theatre, plans Class "A" theatre, Geary St. $1,500,000.

Calif., Santa Monica—CLUB—Sea Breeze Holding Co., 315 West 9th St., Los Angeles, had plans prepared by G. Verge, 700 Pet. Security Bldg., Los Angeles, 3 story and basement, 82 x 240 ft., rein.-con., stucco and marble, incl. swimming pool, steam heating system, etc., here. To exceed $150,000.

Constr. News page 142

Bids Desired

Mass., Boston — LABORATORY — Harvard University, c/o Sevens & Lee, 45 Newbury St., taking bids 2 story and basement, 45 x 75 ft., brick and stone, plain foundation, Forest Hills Section. $50,000. Noted June 17.

Mass., Cambridge (Boston P. O.)—BANK and OFFICE—Central Trust Co., W. G. Davis, pres., taking bids 6 story and basement, 90 x 100 ft., brick, steel and stone, plain foundation, 513 Massachusetts Ave. $500,000. Monks & Johnson, 99 Chauncy St., Boston, archts. Noted July 15.

Mass., Fitchburg—HOSPITAL—Sept. 1, by Building Com. Burbank Hospital, brick and steel addition, incl. power house. $225,000. J. D. Leland Co., 41 Mt. Vernon St., archts. Haynes & Mason, 280 Main St., associated archts.

Mass., Revere—APARTMENT—M. Nigro, 280 Bway., taking bids 3 story and basement, 40 x 210 ft., brick and stone, plain foundation, Bway., Reservoir Ave. and Yeoman St. $150,000. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts.

Mass., Woods Hole — APARTMENT — Marine Biological Laboratory, taking bids 3 story and basement, 30 x 120 ft. apartment, two 30 x 56 ft. wings, and 55 x 110 ft. dormitory, all brick, plain foundation, Center and East Sts. To exceed $150,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archts.

R. I., Providence — CLUB — Providence Plantation Club, 77 Franklin St., taking bids 3 story and basement, 55 x 180 ft., brick and stone, plain foundation, Abbotts Pl. To exceed $150,000. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., archts. Noted July 1.

Conn., New Haven — THEATRE — See "Contracts Awarded."

Conn., New London — EXCHANGE — Southern New England Telephone & Telegraph Co., 73 Washington Ave., taking bids and opens same about Sept. 3, 3 story and basement, brick and steel, Washington Ave. $200,000. R. W. Foote, 185 Church St., New Haven, archt.

N. Y., New York—ADMINISTRATION—Aug. 31, by New York Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 4 story and basement, concrete and limestone administration building, known as Contr. 17 of Holland Tunnel. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—GARAGE—See "Contracts Awarded."

N. J., New Brunswick—HOSPITAL—St. Peters Hospital taking bids 5 story and basement, brick and steel, plain foundation. To exceed $150,000. Maginnis & Walsh, 100 Boylston St., Boston, Mass., archts.

Pa., Ardmore — APARTMENT — W. M. Stanton, archt., Land Title Bldg., Phila., taking sub-bids 3 story and basement, 200 x 200 ft., brick, steel and plain foundation, Linwood and Argyle Aves., here, for E. A. Fitts, 30 Linwood and Argyle Aves.

Pa., Lewistown—LODGE—Sept. 3, by Lewistown Masonic Assn., D. E. Miller, secy., 168 Pannebaker Ave., 3 story and basement, 80 x 120 ft., brick, steel and concrete, incl. plumbing, heating and ventilating systems, etc., Main St. $150,000. Hersh & Sholler, Commerce Bldg., Altoona, archts.

Pa., Phila.—APARTMENT—S. Elgert, 47th and Osage Sts., taking sub-bids 4 story and basement, 50 x 147 ft. with two 30 x 50 ft. wings, rein.-con., brick and steel, plain foundation, Pine St. between 44th and 45th Sts. $350,000. Private plans.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila. — HOUSE CORRECTION — Sept. 3, by City group buildings, Holmesburg St. incl. 3 story, 50 x 140 ft. administration, 2 story and basement main building, 2 story, 48 x 160 ft. boiler house, etc. P. H. Johnson, Widener Bldg, archt.

Pa., Phila.—STORE—E. L. Rothschild, archt., 215 South Broad St., taking bids 3 story and basement, 40 x 90 x 220 ft., rein.-con., brick and steel, plain foundation, 5511-13 North 5th St., for Z. Rosenfeld, 2900 North 5th St. Noted May 20.

Pa., Pittsburgh — APARTMENT — See "Contracts Awarded."

D. C., Wash.—JAIL—Aug. 30, by Dist. Comrs., Dist. Bldg., jail addition, 19th and C Sts. S. E. $300,000. A. L. Harris, District Bldg., municipal engr. Noted June 10.

Buildings—Commercial (Continued)

Va., Roanoke—THEATRE and OFFICE—Sept. 3, by Smithey & Tardy, archts., 112 Kirk Ave. W., 21 story and basement, 100 x 170 ft., theatre and office building, incl. high-speed elevators, cooling and heating systems, etc., Jefferson St. and Kirk Ave., for Sun Investment Corp. $1,000,000.

O., Cleveland—HOTEL—Morris Arnoff Realty Co., c/o M. Arnoff, 420 Leader News Bldg., taking bids 5 story and basement, 49 x 145 ft., rein.-con., brick and steel, East 86th St. and Carnegie Ave. $400,000.

O., Dayton—CHILDRENS HOME—Sept. 15, by Comrs. Montgomery Co., childrens home, North Main St. $400,000. Gebhart & Schaeffer, 507 Keith Bldg., archts.

Mich., Detroit — OFFICE — Bonnah & Chaffee, archts., 300 Barlum Bldg., taking bids and open same about Sept. 3, 4 story and 2 basements, 100 x 100 ft., rein.-con., brick and steel, plain foundation, incl. elevators and steam heating system, Cadillac Sq., for J. J. Barlum, Barlum Bldg. Noted Aug. 12.

Mich., Muskegon — Foeller, Schober & Stephenson, archts., Green Bay, Wis., taking bids 5 story 120 x 138 ft., rein.-con. and brick, plain foundation, Clay Ave., here, for Building Com. Y. M. C. A. of Muskegon, H. E. Langeland, chn. $285,000. E. E. Valentine, Union Bank, engr. Noted Feb. 11.

Ind., Evansville—HOSPITAL—Aug. 31, by Bd. Trustees Southern Indiana Hospital for Insane, near here, two additional buildings, incl. heating, plumbing systems, etc. Shopbell, Fowler & Thole, Inc., archts. and Fowler & Karges, 707 Furniture Bldg., engrs. and archts.

Ind., Ft. Wayne—HOTEL—Fox Realty Co., taking bids 8 story and basement, 150 x 180 ft., rein.-con., brick, steel and terra cotta, Harrison and Jefferson Sts. $1,250,000. Excavation for above, to Arter Constr. Co., Inc., 909 Pape St.

Ind., Indiana Harbor (mail East Chicago) — HOTEL — Honoroff & Suttman, Gary, taking bids 4 story and basement, 65 x 121 ft., rein.-con., brick and steel hotel. $200,000. H. E. Erickson, Gary, archt.

Ind., Indianapolis—WAR MEMORIAL—Oct. 19, by Indiana War Memorial, P. Comstock, secy., 200 x 200 ft. steel, limestone, marble or granite memorial 213 feet high. Walker & Weeks, 1900 Euclid Bldg., Cleveland, O., archts.

Ind., South Bend — CLUB HOUSE and LODGE—Studebaker Corp. taking bids 2 story, 60 x 100 ft., rein.-con., stone, brick and steel, Division Rd., 10 mi. west of here. $150,000. W. M. Ellwood, South Bend, archt.

Ind., South Bend—STORE—S. Kirby taking bids 3 story and basement, 87 x 165 ft., rein.-con., brick and steel store. $150,000. M. E. Smith, South Bend, archt. Brandon-Durrell Co., South Bend, lessee.

Ill., Chicago—APARTMENT—Sept. 2, by R. F. France & Co., archts., 155 North Clark St., 12 story and basement, 100 x 100 ft., rein.-con., brick and terra cotta, incl. 2 elevators, 3918-24 Lake Shore Dr., for M. Thorek, 850 Irving Park Blvd. $1,000,000. Noted June 17.

Ill., Chicago — STORE and OFFICE — Sept. 8, by Graham, Anderson, Probst & White, archts., Ry. Exch. Bldg., 24 story and basement, 120 x 162 ft., store and office, incl. 38 ft. tower, Wabash Ave. and Washington St., for Marshall Field Estate, 25 East Washington St. $5,000,000. Noted Dec. 6.

Ill., Oak Park—APARTMENT—Sept. 2, by L. C. Bouchard, archt., 160 North La Salle St., Chicago, 5 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, incl. 1 elevator, 839 Lake St., here, for Eight Hundred Thirty-Nine Lake Street Blvd. Corp., c/o architect. $500,000.

Wis., Milwaukee — HOTEL — See "Contracts Awarded."

Calif., Los Angeles—OFFICE—See "Contracts Awarded."

Calif., Los Angeles—STORE, OFFICE and THEATRE—G. A. Lansburgh, archt., Consolidated Bldg., taking bids steel and rein.-con., Wilcox and Hollywood Blvd., for Warner Bros., c/o architect. $2,000,000.

Calif., Los Angeles—THEATRE—G. A. Lansburg, archt., 937 Consolidated Bldg., taking bids 6 story and basement, 196 x 223 ft., rein.-con., steel and tile, 3,000 seating capacity, with balcony and circular ballroom, incl. electric elevators, steam heating and ventilating systems, Wilcox Ave. and Hollywood Blvd., for Warner Bros., 931 South Olive St. $2,000,000. Noted Apr. 8.

Bids Received

Pa., Phila. — ADMINISTRATION and HOSPITAL — W. Krusen, dir. Pub. Health, 3 story and basement, 126 x 172 ft., rein.-con., steel, granite and limestone, plain foundation, 34th and Pine Sts., from F. W. Mark Constr. Co., Inc., Commercial Trust Bldg., $543,900.

Calif., Murphy — HOSPITAL — E. D. Graham, clk. San Joaquin Co., Stockton, group rein.-con. and timber buildings for tubercular hospital, here, for Calaveras Co. (San Andreas) and San Joaquin Co. (Stockton), from D. G. Johns, 145 West Flora St., Stockton, $176,000. Noted July 29.

Contracts Awarded

Mass., Gardner—HOSPITAL—Commonwealth of Massachusetts, Dept. Mental Diseases, State House, Boston, 2 story and basement, brick, plain foundation, to J. Miles & Son Co., 393 Main St., Worcester. Archts. est. $150,000. Noted July 29.

Mass., Malden (Boston P. O.)—MAIL ORDER—Perry Pictures Co., 42 Dartmouth St., 3 story and basement, 55 x 135 ft., rein.-con. and brick, to Gascoigne & Co., Inc., 6 Beacon St., Boston. Archts. est. $150,000.

Mass., Pondville (East Norfolk P. O.)—HOSPITAL—Norfolk State Hospital, 2 and 3 story and basement, rein.-con. brick and stone addition, to Central Eng. & Constr. Co., 210 Main St., Pawtucket, R. I. Archts. est. $150,000. Noted Aug. 12.

Mass., Springfield — MEMORIAL — Connecticut Valley Historical Society, c/o M. H. Westhoff, archt., 293 Bridge St., 2 story and basement, brick and stone, Main St., to E. J. Pinney, Inc., 220 Dwight St. Archts. est. $150,000. Noted June 15.

Mass., Waltham (Ind. br. Boston)—OFFICE—J. L. Thompson Mfg. Co., Roberts Sts., 3 story and basement, brick and stone, to Mack Constr. Co., 53 State St., Boston. Archts. est. $150,000.

Conn., New Haven—THEATRE—G. Ratner, 42 Church St., will build 2 story, 70 x 100 ft., brick and steel, Broad and Washington Sts., by day labor. $150,000. J. Weinstein, 42 Church St., archt.

N. Y., New York—APARTMENT—Wallrock Constr. Corp., c/o G. G. Miller, engr. and archt., 1428 Bway., will build 6 story, brick, steel and stone, plain foundation, Phelan Pl., by day labor. $325,000.

N. Y., New York—APARTMENT—Mebar Realty Corp., c/o Berling & Kaufman, engrs. and archts., 66 5th Ave., will build 6 story, brick, steel and stone, plain foundation, Grand Ave. and 174th St., by day labor. $200,000.

N. Y., New York — GARAGE — D. G. Ludins, 99 East 165th St., will build 3 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, West Houston St. Work will be done by separate contracts.

N. Y., New York—OFFICE—Fur Zone Realty Co., c/o H. I. Oser, archt., 1440 Bway., 17 story, brick, steel and stone, plain foundation, 252 West 30th St., to Magoba Constr. Co., Inc., 103 Park Ave. Archts. est. approximately $1,500,000.

N. J., Atlantic City—HOTEL—F. J. Friez, 5 story and basement, 40 x 120 ft., brick and steel, plain foundation, 106 South Tenn. Ave., to Taylor Meyer Co., Keystone Bldg., Pittsburgh, Pa. Archts. est. $200,000.

Pa., Phila. — APARTMENT — Arcadian Court, Inc., c/o G. B. Johnson, archt., 237 North 16th St., Phila., 10 story and basement, 100 x 262 ft., brick and steel, plain foundation, to Van Asdlen Constr. Co., Stock Exch. Bldg. Archts. est. $2,000,000.

Pa., Phila.—APARTMENT—Alden Park Manor Co., School Lane, will build 13 story and basement, irregular shaped, rein.-con., brick and steel addition, plain foundation. Work will be done by separate contracts. Private plans.

Pa., Phila. — OFFICE — Phila. Electric Co., 10th and Chestnut Sts., 23 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, 9th and Sansom Sts., to J. N. Gill Co., City Center Bldg. Archts. est. $3,000,000.

Pa., Phila.—STORE—Roberts Bros., Ontario and Caster Sts., 1 story and basement, 150 x 250 ft., rein.-con., brick and steel, plain foundation, to L. Rosengarten, Otis Bldg.

Pa., Phila.—STORE—H. Holmes, archt., 1630 Penobscot Bldg., Detroit, Mich., 2 story and basement, 50 x 101 ft., rein.-con., brick and steel, plain foundation, 1428-32 Pt. Breeze Ave., here, to F. Elvidge & Son, 5522 Germantown Ave., for S. S. Kresge Co., Kresge Bldg., Detroit, Mich. Noted July 29.

Pa., Pittsburgh — APARTMENT — Commercial Finance & Building Co., Fidelity Mortgage Bldg., Cleveland, O., will build 4 story and basement, 30 x 155 ft. apartment, Monterey St. $150,000. Work will be done by seperate contracts. W. C. Owen Co., Fidelity Mortgage Bldg., Cleveland, O., archt.

Pa., Pittsburgh—GARAGE—Controller Allegheny Co., general contract 1 story and basement, irregular shaped garage, McKean St., to A. and S. Wilson, 541 3rd Ave. Archts. est. $150,000. Noted July 22.

Pa., Upper Darby—APARTMENT—Arcadian Court Co., general contract, 10 story and basement, brick, steel and concrete, 69th St. Blvd. and Chestnut St., to Van Asdlen Constr. Co., 812 Stock Exch. Bldg., Phila. Archts. est. $2,000,000.

Pa., Upper Darby—STORE and APARTMENT—W. Freihofer, 20th and Indiana St., Phila., 1 and 2 story, 120 x 190 x 190 ft., rein.-con., brick and steel, plain foundation, 69th St. and Ashley Rd., to G. Kessler Constr. Co., 1733 Marvine St., Phila. Noted June 10.

O., Cleveland — HOTEL — Stotter-Griswold Co., Leidman Mortgage Bldg., 5 story and basement, 65 x 90 ft., rein.-con., brick and steel, 3844 Euclid Ave., to Van Blarcom Co., Natl. City Bldg. Archts. est. $225,000. Noted July 15.

Ind., Indianapolis—HOSPITAL—Indiana University, S. E. Smith, 1008 Merchants Bank Bldg., "Coleman Womans Hospital," 3 story and basement, 45 x 210 ft., rein.-con., brick and steel, to L. Colvin, 823 Continental Bank Bldg. Archts. est. $250,000.

Ind., Indianapolis—THEATRE, STORE and BALL ROOM—Circle Theatre Co., 6 story and basement, rein.-con., brick, steel and stone, Washington St. between Capitol and Illinois Sts., to W. P. Jungclaus, 4825 Massachusetts St. Archts. est. $1,000,000. Noted April 1.

Ill., Chicago — APARTMENT — B. L. Steif & Co., archts., 307 North Michigan Ave., masonry and concrete contract 11 story, 75 x 135 ft., rein.-con., brick and stone, 433-37 Briar Pl., to H. Janisch Co., 1813 Winona St., for J. J. Rosen, 307 North Michigan Ave. Archts. est. $600,000. Noted Aug. 12.

Ill., Chicago—APARTMENT HOTEL—E. J. Meles, archt., 105 West Monroe St., masonry and carpentry contract 3 story and basement, 75 x 160 ft., brick, 1212-18 North La Salle St., to A. Lindstrom Co., 77 West Washington St.; heating, to W. F. Thumm, 2549 Lawrence Ave.; plumbing, to J. Schiller & Co., 1512 West Roosevelt Rd., for F. Brons & Co., 1021 North Dearborn St. Archts. est. $150,000. Noted July 22.

Ill., Chicago—APARTMENT HOTEL—Park Lane Building Corp., 134 La Salle St., concrete and masonry work 12 story and basement, 140 x 158 x 196 ft. apartment hotel, Sheridan Rd. and Surf St., to E. E. Davis Co., 700 South Michigan Ave.; carpentry, to Olsen Bros., 6901 Euclid Ave.; heating, to C. H. Ehrlich & Co., 124 North Jefferson St. Archts. est. $2,500,000.

Ill., Chicago — APARTMENT — Oldefest & Williams, archts., 605 North Michigan Ave., masonry and concrete contract 16 story and basement, 50 x 95 ft., rein.-con., brick and terra cotta, 211 East Delaware Pl., to Seipp & Lonergan, 179 West Washington St., for A. W. and S. E. Sommers, 195 East Chestnut St. Archts. est. $750,000. Noted July 15.

Ill., Chicago — HEADQUARTERS—Chicago Journeymen Plumbers, 64 West Randolph St., masonry, concrete and carpentry contract 3 story, 135 x 175 ft. plumbers union headquarters, 1340-50 West Washington St., to Duffy-Noonan Constr. Co., 140 South Dearborn St. Archts. est. $350,000.

Ill., Chicago—POST OFFICE—Windsor Park Station Building Corp., 33 South La Salle St., general contract 3 story, 100 x 120 ft., sub postal station, 2207-13 East 75th St., to Garfield Realty Constr. Co., 403 South Crawford Ave. Archts. est. $275,000. Noted June 24.

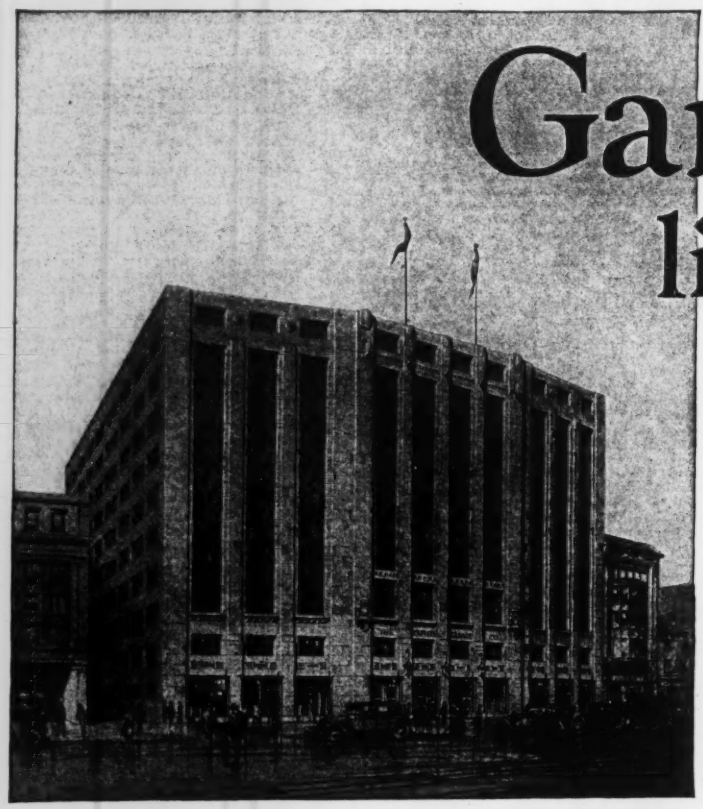
Ill. Chicago — THEATRE, STORE and APARTMENT—Symphony Theatre Corp., 822 West 70th St., R. Lewis, pres., masonry and carpentry work 125 x 175 ft., brick, rein.-con. and terra cotta, 4923-37 Chicago Ave., to J. McHugh & Sons, 840 West 70th St. Archts. est. $1,600,000.

Ill., Chicago — THEATRE, STORE and OFFICE—A. Cotter, c/o Chicago Electrical Equipment Co., 9 West 22nd St., masonry and carpentry work for 3 story and basement 198 x 210 ft. theatre, stores and office building, Cottage Grove Ave. and 91st St., to Lind Constr. Co., 6400 South State St. Noted May 15.

Wis., Milwaukee—HOTEL—Hotel Pfister, Wisconsin and Jefferson Sts., will remodel 5 story, brick and concrete hotel, by day labor. $200,000. H. J. Essern, 82 Wisconsin St., archt. Noted July 29.

Constr. News page 143

AMERICA NEEDS MORE GARAGES IN HER CITIES



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GARAGE ENGINEERS

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Buildings—Commercial (Continued)

Calif., Los Angeles — OFFICE — Los Angeles Investment Co., c/o Walker & Eisen, archts., Great Republic Bldg., will build 12 story and basement, rein.-con., pressed brick and terra cotta, Bway. near 10th St., by day labor and sub-contracts. $750,000.

Buildings—Industrial

Proposed Work

Pa., Phila.—FACTORY—E. G. Budd Co., 25th St. and Hunting Park Ave., having plans prepared by Ballinger Co., 12th and Chestnut Sts., 5 story and basement factory, Hunting Park Ave. and Stokley St.

Pa., Phila. — BAKERY — Tasty Baking Co., 2801 Hunting Park Ave., plans 5 story and basement, rein.-con., brick and steel addition, plain foundation. Engineer and architect not selected.

Pa., Phila. — MANUFACTURING — H. Greenburg Real Estate Co., Morris Bldg., having plans prepared by P. Tyre, 114 South 15th St., 7 story and basement, rein.-con. and brick, plain foundation, Nablet and Hamilton Sts.

Pa., Pittsburgh—MANUFACTURING—Republic Bank Note Co., 3123 Forbes St., having plans prepared 4 story and basement, 90 x 140 ft., brick, hollow tile and steel addition. $350,000. Private plans.

Pa., Rochester — MANUFACTURING — Guarantee Liquid Measure Co., having preliminary plans prepared 1 and 2 story, 360 x 360 ft., brick and steel addition. $500,000. Private plans.

Md., Baltimore — MANUFACTURING PLANT — Maryland Meter Wks., Guilford and Saratoga Sts., postponed indefinitely construction 6 and 7 story, 110 x 164 ft., rein.-con. and brick, plain foundation, incl. heating and ventilating system, Guilford and Saratoga Sts. $250,000. H. F. Doeleman, 507 North Charles St., engr.

O., Cleveland—BOX FACTORY—Standard Oil Co., c/o J. A. Watterson, East Ohio Gas Bldg., having plans prepared 1 story, 80 x 120 ft., brick and steel, 2735 Bway. $40,000. Private plans.

Mich., Detroit—REFRIGERATOR FACTORY, etc. — Electric Refrigeration Corp., 2448 Buhl Bldg., having plans prepared 3 story, 440 x 640 ft. factory and 55 x 200 ft. administration building, both rein.-con., brick and steel, plain foundations, incl. steam heating system, Plymouth Rd. To exceed $3,000,000. Private plans.

Ill., Chicago — SHOP — Raymond Bros. Impact Pulverizer Co., 1235 North Branch St., having plans prepared by H. Hanselmann, 37 South Wabash Ave., 1 story, 100 x 250 ft., brick addition, 1337-45 North Branch St. $76,000.

Tex., Houston — COLD STORAGE WAREHOUSE — Houston Terminal Warehouse & Cold Storage Co., R. H. Baker, pres., retained Eng. Serv. Corp., engrs., Houston, to design and construct 6 story (ultimately 8 story), rein.-con., upper Ship Channel. $2,800,000. Moores & Dunford, Inc., 110 East 42nd St., New York City, consult. engrs.

Wash., Longview—PAPER MILL—Longview Fiber Co., M. A. Werthemer, pres., plans (1st unit) paper mill, 100 tons daily capacity. $2,500,000.

Ore., Portland—REFINERY, etc.—Oregon-Washington Refining Co., Bd. Trade Bldg., plans refinery, incl. dock and warehouse. $1,500,000.

Calif., Pittsburg—FACTORY—B. G. McDougall, archt., 353 Sacramento St., San Francisco, soon takes bids 1 story, 110 x 250 ft., rein.-con. factory, here, for Pioneer Rubber Mills, 353 Sacramento St., San Francisco. $100,000.

T. H., Hilo—FACTORY—Pacific Guano & Fertilizer Co., c/o Dickey & Wood, archts., Damon Bldg., Honolulu, having plans prepared timber factory, here. $150,000.

Bids Desired

Mass., Arlington—LAUNDRY and DRY CLEANING PLANT — See "Contracts Awarded."

Mass., Fitchburg — POWER HOUSE — See "Buildings—Commercial."

Mass., Salem—REPAIR and SERVICE GARAGE—J. S. Sawyer, c/o W. H. Hunt, archt., 197 Washington St., taking bids 1 story, 100 x 100 ft., brick and steel, plain foundation. $50,000.

Pa., Altoona—TANK SHOP—Aug. 27, by Pennsylvania R.R. Co., Broad St. Sta., Phila., 2 story and basement, 32 x 176 ft., brick and steel, plain foundation, here. W. H. Cookman, Broad St. Sta., Phila., archt.

Pa., New Castle—STEEL PLANT—See "Contracts Awarded."

Pa., Pittsburgh — SUB-STATION — Duquesne Light Co., 435 6th Ave., taking bids 1 story, 30 x 40 ft., rein.-con., brick and steel, McKnight St. $266,000. R. M. Scharff, 435 6th Ave., engr.

Ind., South Bend—FREIGHT STATION —New York Central R.R., R. O. Rote, ch. engr. (lines west of Buffalo), Cleveland, O., taking bids 2 story, 50 x 660 ft., rein.-con., brick and steel freight station, here. $260,000.

Mich., Detroit—SUB-STATION—Aug. 30, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., three 1 story and basement, 34 x 49 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system, Mullet St. Smith Hinchman & Grylls, 800 Marquette Bldg., engrs. and archts.

Wis., Barron — MILL — See "Contracts Awarded."

Wis., Burlington — DISTRIBUTING PLANT — Wadhams Oil Co., 359 Clinton St., Milwaukee, taking bids 2 story, 30 x 30 ft., and 40 x 70 ft., brick and rein.-con., plain foundation, here. $40,000. Private plans.

Wis., Green Bay—FACTORY—Northwest Eng. Wks., Howard St., taking bids 1 story, 102 x 122 ft. machine and 42 x 160 ft. erection shops, 20 x 192 ft. stock, and 48 x 184 ft. receiving rooms, all brick and steel.

Wis., Milwaukee — TANNERY — A. F. Gallun & Sons Co., 1000 North Water St., taking bids 1 story, 90 x 120 ft., brick, steel and rein.-con. addition, plain foundation, North Water St. $40,000. Private plans.

Okla., Enid—REFINING PLANT—See "Contracts Awarded."

Calif., San Francisco—FACTORY—L. H. Nishkian, engr., 525 Market St., taking bids 3 story and basement, 115,000 sq.ft. floor space, rein.-con. and brick, Charter, Oak and Gilman Aves., for Kroehler Mfg. Co., 1636 Bryant St. $150,000.

Bids Received

N. Y., New York — GARAGE — Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., garage, 26th St. and 1st Ave., from Wiglan Building Co., 145 West 45th St., $94,440. Noted July 15.

Contracts Awarded

Mass., Arlington—LAUNDRY and DRY CLEANING PLANT—Crosby Assn., R. A. Crosby, 319 Bway., Somerville, will build 1 story, concrete and timber. $40,000. Work will be done by separate contracts. Vinal & Copeland, 46 Cornhill, Boston, archts.

Mass., Boston — BAKERY — Massachusetts Baking Co., 65 East Cottage St., Dorchester, 3 story, 30 x 85 ft., brick and steel addition, plain foundation, to F. L. Fox, 15 Exchange St., Boston. Archts. est. to exceed $40,000.

Mass., Cambridge (Boston P. O.) — FACTORY—J. W. Greer Co., 119 Windsor St., 2 story, 65 x 80 ft., brick and steel addition, to Scully Co., 117 1st St. Archts. est. $40,000.

Mass., Melrose (Ind. br. Boston)—REPAIR GARAGE and STABLE — City, 1 story, rein.-con., plain foundation, to E. W Porter, 15 Wallis St., Peabody, $46,000 Noted July 29.

Mass., Watertown—PRINTING PLANT —F. H. Perry, 125 Summer St., 1 story, rein.-con., plain foundation, to F. L. Harris, 120 Perkins St., Somerville. Archts. est. $40,000.

Mass., Woburn — FACTORY — Massachsetts Gear & Tool Co., 30 Nashua St., 1 and 2 story, 70 x 80 ft., rein.-con. addition, to F. W. Greydon, 7 Lowell St. Archts est. $40,000. Noted Aug. 5.

N. Y., Albany—GARAGE and SERVICE STATION—A. Graham and F. Pinchbeck, 1 story, brick, steel and stone, at 476 Central Ave., to J. M. Myers, 90 State St. Archts. est. $45,000.

Pa., New Castle—STEEL PLANT—Amer. Sheet & Tin Plate Co., Frick Bldg., Pittsburgh, will alter tin house and build addition to storage shed, here. $200,000. Work will be done by separate contracts. G. C. Kimball, Frick Bldg., Pittsburgh, engr.

Pa., Phila. — DYE HOUSE — Schletz & Zander, Tulip and Rhawn Sts., 1 story, 30 x 64 ft., and 32 x 35 ft., rein.-con., brick and steel, plain foundation, here, to W. F. Latz, 4644 Frankford Ave.

Pa., Wayne—BOILER HOUSE—United Gas Impvt. Co., Broad and Arch Sts., Phila., 1 story, 30 x 40 ft., brick and rein.-con., plain foundation, here, to F. G. Stewart Co., 1520 Locust St., Phila.

Md., Baltimore—POWER HOUSE—See "Buildings—Educational, Religious."

O., Cleveland—FACTORY—Sawyer Gear & Mfg. Co., W. R. Sawyer, pres., 5122 St. Clair Ave., 2 story and basement, 60 x 80 ft. brick and steel addition, to L. W. Lapp, 2020 Brunswick Rd. Archts. est. $40,000.

O., Cleveland — FACTORY — Willard Storage Battery Co., R. C. Norberg, vice-pres. and genl. mgr., 246 East 131st St., 4 story and basement, 135 x 200 ft. brick and rein.-con., Taft Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archt. est. $250,000. Noted Aug. 12.

O., Cleveland—FOUNDRY—W. S. Tyler Co., C. Zimmermann, secy.-treas., East 36th St. and Superior Ave., 2 story and basement, 98 x 106 ft., brick, steel and concrete addition, to Dresser Co., The Arcade. Archts. est. $75,000.

O., Youngstown—ROUND HOUSE—See "Railway under Ohio."

Ill., Chicago—FACTORY—Crane Co., 832 South Michigan Ave., 1, 2 and 3 story, 38 x 240 ft. factory, 3900-4258 South Kedzie Ave., to W. Adams Co., 209 South La Salle St., $400,000.

Wis., Barron—MILL—J. West will build 2 story, 30 x 60 ft., rein.-con., brick and steel, plain foundation, by day labor. $40,000. Private plans.

Okla., Enid — REFINING PLANT — Champlin Refining Co. will build two 2,000 bbl. cross cracking stills, 5 to 10 centrifuge machines, additional chilling tanks, and enlarging treating plant, by day labor; stills, awarded to M. W. Kellogg Co., 90 West St., New York City. Engrs. est. $80,000.

Buildings—Educational, Religious

Proposed Work

Mass., Framingham—CHURCH—Grace Congregational Church, T. B. Lathrop, pastor, soon lets contract 1 story, brick, stone and graphite, Pearl St. and Union Ave. $200,000. Noted Aug. 5.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, plans brick, steel and stone, plain foundation, Benson Ave. between 35th St. and 24th Ave., here. $750,000. W. H. Gompert, Flatbush Ave. extension and Concord St., engr. and archt.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., 4 story, brick, steel and stone, plain foundation, Mace Ave. $350,000.

Pa., Phila. — CHURCH — Cookman Methodist Episcopal Church, E. Bawden, pastor, 1209 West Lehigh St., plans rebuilding church, 12th and Lehigh Sts., recently destroyed by fire. $150,000. Engineer and architect not selected.

N. C., Raleigh—SCHOOL—Peace Institute soon takes bids new buildings, on campus. $200,000. Atwood & Nash, Chapel Hill, archts.

N. C., Rocky Mount—SCHOOLS—Voted $350,000 bonds, new schools. Noted May 27.

O., Akron—CHURCH—Henry & Murphy, archts. and engrs., 1114 2nd Natl. Bldg., soon take bids 1 story, 103 x 147 ft., brick and stone, Bowery and State Sts., for Grace Reformed Church. $175,000.

O., Cleveland — MUSEUM — Cleveland Museum of Natl. History, P. M. Rae, dir., 2717 Euclid Ave., having sketches made by Walker & Weeks, 1900 Euclid Bldg., 1 story marble, concrete and steel, East Blvd. and Bellflower Rd. $1,000,000.

Neb., Cozad — HIGH SCHOOL — Bd. Educ. having preliminary plans prepared by A. D. Baker, Clintic Bldg., Grand Island, brick high school. $150,000 bond election planned. Noted July 15.

Neb., Fremont — CHURCH — Mission Synod Lutheran Church, W. Bruggman, pastor, 428 East 3rd St., plans church. $150,000. Engineer and architect not selected.

Mo., Lees Summit — SCHOOL — Unity School of Christianity, 917 Tracy Ave., Kansas City, having plans prepared by E. Boillot, 1202 Scarritt Bldg., Kansas City, school, near here. To exceed $150,000.

Calif., Berkeley—SCHOOLS—Plans election $3,500,000 bonds, school additions and new schools.

Calif., Davis—AGRICULTURAL ENGINEERING — Regents University of California, Bergeley, soon lets contract 1 and 2 story, rein.-con. and steel agricultural engineering building, here. $150,000. W. C. Hays, Crocker Bldg., San Francisco, archt. Noted June 17.

Constr. News page 143a

Buildings—Educational, Religious (Cont.)

Bids Desired

Mass., Reading—SCHOOL—Bd. Educ. taking bids 2 story and basement, brick and stone addition, plain foundation, Middlesex Ave. $150,000. Adden & Parker, 177 State St., Boston, archts.

Mass., Reading—HIGH SCHOOL—Aug. 30, by Town, Town Hall, Junior High School, 2 story and basement, brick and steel, Temple St. $150,000. Adden & Parker, 177 State St., Boston, archts. Noted July 29.

Mass., Somerville (Boston P. O.)—CHURCH and PARISH HOUSE—Clarendon Hill Presbyterian Church, R. L. Barber, pastor, taking bids 2 story and basement, 70 x 112 ft., brick and stucco, plain foundation, Curtis St. and Powder House Blvd. $150,000. W. Sidebottom, 101 Tremont St., Boston, archt.

N. Y., Poughkeepsie — NURSERY SCHOOL—Vassar College taking bids 2 story and basement, brick and stone nursery school. $150,000. Allen & Collins, 75 Newbury St., Boston, Mass., archts.

N. Y., Sayville—SCHOOL—Sept. 15 (extended date) by Bd. Educ., brick, steel and stone, plain foundation, here. Tooker & Marsh, 101 Park Ave., New York City, archts. Noted July 22.

N. J., Aura — SCHOOL — Aug. 31, by School Bd. Elks Twp., c/o Hill & Gollner, archts., Broad St. Bank Bldg., Trenton, 2 story and basement, 60 x 135 ft., rein.-con. and brick, plain foundation.

Pa., Karns City—HIGH SCHOOL—Sept. 15, by Bd. Educ. and Fairmount Twp., c/o W. Regney, secy., and W. G. Eckles Co., archts., New Castle, 2 story and basement, 125 x 125 ft., brick, hollow tile and steel high school. $150,000. Noted July 15.

D. C., Wash.—SCHOOL—Sept. 30, by Dist. Comrs., District Bldg., addition to Borough School, 17th St. N. E. $245,000. A. L. Harris, Dist. Bldg., municipal archt. Noted June 17.

Ga., Atlanta—ACADEMIC and DORMITORY—Sept. 7, by E. L. Hill, chn., at office R. T. Gillespie, pres. Columbia Theological Seminary, 17 Poplar St., academic and dormitory buildings on campus, near here. Edwards & Sayward, 101 Marietta St., archts.

Ky., Louisville—HIGH SCHOOL—Sept. 3, at office S. D. Jones, bus. dir. Bd. Educ., Administration Bldg., Highland Junior High School, incl. heating, plumbing, etc., Norris Pl., Richmond and Speed Aves. J. M. Colley, archt. Lewis & Warren, Realty Bldg., heating and ventilating engs.

O., Berea—HIGH SCHOOL—Sept. 16, by Bd. Educ., L. R. Fowles, clk., 3 story and basement, brick, steel and concrete, incl. 2 steam heating boilers. $350,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

Ill., LaGrange—SCHOOL—Sept. 15, by J. C. Llewellyn Co., engrs., 38 South Dearborn St., Chicago, 4 story and basement, 180 x 180 ft., brick and stone, here. $500,000.

Ind., Indianapolis — SCHOOL — Sept. 7, by School Comrs., 150 North Meridian St., Grade School 42, rein.-con., brick and steel, 25th and Rader Sts. $197,000. Snider & Rotz, 703 Merchants Bank Bldg., engrs. Vonnegut-Bohn-Mueller, 610 Ind. Trust Bldg., archts.

Ill., Chicago—SCHOOLS—Sept. 2, by Bd. Educ., constructing P. S. 644 and 645, 2 story, 72 x 386 ft., brick and stone, incl. plumbing, heating, etc., $500,000 each; also refrigeration systems in Sullivan and Hirsch Junior High Schools. J. C. Christensen, 650 South Clark St., archt.

Mo., Mexico—HIGH SCHOOL—Aug. 31, by Bd. Educ., T. J. Williams, secy., 3 story and basement, 90 x 320 ft., brick, concrete and stone high school. Thomas, McLennan & Thomas, 508 Old Colony Bldg., Des Moines, Ia., archts.

Ore., Portland—GRADE SCHOOL—Aug. 30, by Bd. Educ., c/o E. T. Stretcher, comr., East 7th and Clackamas Sts., Woodlawn School, 2 story, 113 x 298 ft., rein.-con. and brick, Union Ave. $250,000. G. H. Jones, East 7th and Clackamas Sts., archt.

Bids Received

Mass., Rosindale (Sta. Boston)—SCHOOL—City, Schoolhouse Dept., Boston, 3 story and basement, 50 x 90 ft., brick, limestone and granite addition to Washington Irving School, plain foundation, Florence and Poplar Sts., here, from P. Capute, 363 Hanover St., Boston. $179,200. Noted June 29.

N. J., Totowa (mail Paterson)—NURSES HOME, etc. — Dept. Institutions & Agencies, State Bldg., Trenton, Aug. 3, general group buildings, incl. nurses home, dining hall, etc., here, from Karno-Smith Co., Broad St. Bank, Trenton, $172,666. Noted July 29.

Constr. News page 144

Calif., Auburn—HIGH SCHOOL—Placer Union High School Dist., Aug. 5, general contract 2 story, rein.-con. auditorium, shop and science buildings, from F. H. Betz, 1831 Q St., $193,880. Noted July 22.

Contracts Awarded

Mass., Methuen — CHAPEL — D. G. Tenny, 1 story chapel, to E. A. Peabody Co., Bay State Bldg., Lawrence. Archts. est $150,000.

Mass., Rockland — SCHOOL — Town, School Com., 2 story and basement, brick and stone, plain foundation, James St., to J. W. Beals & Son, 36 George St. Archts. est. $150,000.

Mass., Winchester—CHAPEL and PARISH HOUSE—First Congregational Church, 2 story and basement, 75 x 125 ft., granite and stucco, plain foundation, to F. C. Alexander, 294 Washington St., Boston. Archts. est. $160,000. Noted July 8.

Mass., Worcester—SCHOOL—City, Pub. Building Dept., general contract 2 story and basement, brick and steel, Thorndyke St., to C. Rocheford, 58 Front St., $118,458. Noted Aug. 19.

N. Y., Brooklyn—NURSES HOME—St. Marys Hospital, St. Marks Ave., 4 story, 50 x 100 ft., brick, steel and stone, plain foundation, St. Marks Ave., to P. Guthy, 852 Monroe St. Archts. est. $200,000.

Md., Baltimore — COLLEGE — Bd. Awards, superstructure 3 story and basement, 239 x 360 ft., rein.-con. and stone, plain foundation, incl. brick powerhouse, 33rd St. and Alameda Blvd., to J. H. Miller, Inc., Eutaw and Franklin Sts. $1,998,000. Noted Aug. 19.

O., Cleveland — NURSES HOME — City, D. S. Blossom, dir. Pub. Welfare, 3 story, brick, steel and concrete addition, to J. L. Hunting Co., Guarantee Title Bldg., $86,700; also 2 story, brick, steel and concrete preventorium, to De Hamel Constr. Co., Plymouth Bldg., $103,500. Noted July 29.

Ill., Chicago—MUSIC CONSERVATORY—Academy of Our Lady, Notre Dame, Ind., masonry and concrete work for music conservatory, 95th to 97th Sts., from Throop to Loomis Sts., to Van Etten Bros., 11016 South Michigan Ave. Noted June 3.

Wis., Elkhart Lake—HIGH and GRADE SCHOOL—Bd. Educ., R. Hornok, pres., 2 story, 60 x 100 ft., rein.-con., brick and steel, plain foundation, incl. steam heating, to J. E. Mader, Gresham.

Minn., Eveleth — SCHOOL — Secretary Eveleth Bd. Educ., general contract, 3 story and basement, rein.-con., brick and stone addition, here, to Dohm Building Co., Hibbing, approximately $255,000. Noted Jan. 21.

Mo., Kansas City—SCHOOL—Bd. Educ., 800 Finance Bldg., general contract 2 story and basement, brick, concrete and cut stone addition to Border Star School, to Sharp Bros., Orear Leslie Bldg., $141,242.

Tex., Ft. Worth—SCHOOL—Bd. Educ., c/o E. A. Corbett, chn., W. L. Waggoner Bldg., general contract 10th Ward School, 2 story, brick, stone and rein.-con., Page, College and Alston Sts., to K. H. Muse, 200 West Railroad Ave., $112,398. Noted July 29.

Calif., Berkeley—CHURCH—First Congregational Church, 2 additional units, brick, Dana St. and Bnacroft Ave., to C. McCullough, 1634 Berkeley Way, approximately $150,000. Noted May 6.

Calif., Los Angeles—COLLEGE—Roman Catholic Bishop of San Diego and Los Angeles, Junior College, school, chapel and auditorium, 3 story and basement, 120 x 250 ft., brick and terra cotta, 3rd and Detroit Sts., to Sumner & Sollitt Co., 426 South Spring St., $325,000.

Calif., Olinda—HIGH SCHOOL—Brea-Olinda Union High School Dist., 2 story and basement, 170 x 260 ft. administration building, 1 story, 50 x 170 ft. manual art building, and 1 story, 90 x 190 ft. gymnasium, incl. steam heating, etc., East Birch St., to J. P. Steel, 4714 South Western Ave., Los Angeles, $220,000.

Federal Government Work

Proposed Work

Mo., St. Louis—Dike—U. S. Engineer Office, 428 Custom House, takes bids about Sept. 3, 1,000 lin.ft. rein.-con. dike in Mississippi River, at Sulphur Springs and Lucas.

Bids Desired

Mass., Northampton—Remodeling—Sept. 10, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, Wash., D. C., acting superv. archt.; adv. E. N.-R. Aug. 26.

Mass., Rutland Heights—Roads—Sept. 14, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., resurfacing existing roads and constructing new bituminous macadam road at U. S. Veterans Hospital 89, here. Noted July 29.

N. Y., Sunmount — Storehouse, etc. — Sept. 28, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing storehouse, greenhouse, M. O. C. residence, gate lodge, additions to east and west ends of infirmary, etc., at U. S. Veterans Hospital 96, here.

N. J., Lake Denmark (mail Hibernia)—Repairs — Sept. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to buildings at Naval Ammunition Depot, here.

Md., Baltimore—Fire Protection System—Sept. 14, by Treas. Dept., at office Supervising Archt., Wash., D. C., fire protection system, at U. S. Quarantine Station, here.

D. C., Wash.—Boiler—Sept. 14, by U. S. Veterans Bureau, Arlington Bldg., new boiler at U. S. Veterans Hospital 32, Mt. Alto, here.

Va., Newport News—Remodeling—Sept. 7, by Treas. Dept., at office Supervising archt., Wash., D. C., remodeling U. S. Post Office, here.

N. C., Asheville—Remodeling—Sept. 13, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office and Court House, here. J. A. Wetmore, acting supvr. archt.; adv. E. N.-R. Aug. 26.

Fla., Lake City—Wire Fence—Sept. 21, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 5,000 lin.ft. wire fencing with posts set in concrete, wrought iron entrance gates, etc., at U. S. Veterans Hospital 63, here.

Tenn., Memphis—Earthwork—Aug. 30, at office Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., constructing 1,575,000 cu.yd. earthwork in St. Francis and Reelfoot Levee Dists.

Ky., Louisville—Sept. 24, by U. S. Engineer Office, P. O. 72, gates for Locks 47, 50 and 52, in Ohio River; adv. E. N.-R. Aug. 26.

S. D., Aberdeen—Remodeling—Sept. 8, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Mo., St. Louis — Barges — Sept. 15, by U. S. Engineer Office, 428 Custom House, 6 steel barges; adv. E. N.-R. Aug. 26.

Ark., Hot Springs—Paving—Sept. 10, by Acting Chief Civil Engineer, Natl. Park Serv., at Superintendent Office, cement concrete or asphaltic macadam paving 1.5 mi. park highway, Hot Springs Natl. Park, A. B. Cammerer, act. dir.; adv. E. N.-R. Aug. 26.

Ore., Eugene—Remodeling—Sept. 2, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Calif., La Jolla—Towers—Spec. 5262—Sept. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., steel beacon towers, here. Noted Aug. 19.

Calif., Tiburon—Steel Stack—Spec. 5243—Sept. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., steel stake at Naval Coal Depot, here. Noted Aug. 19.

Bids Received

Mass., New Bedford — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Aug. 9, remodeling U. S. Court House and Post Office, here, from Olson & Appleby, New Bedford, $16,997. Noted Aug. 5.

Pa., Phila.—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., Aug. 11, remodeling U. S. Post Office and Courthouse, here, from G. Griffiths Constr. Co., 705 Olive St., St. Louis, Mo., $6,387. Noted Aug. 5.

Va., Fort Monroe—Heating Plant—Treas. Dept., at office Supervising Archt., Wash., D. C., Aug. 11, hot water heating plant at Quarantine Station, on Craney Island, from B. L. Williams, 271 Rush St., Norfolk, $5,890. Noted July 29.

Ga., Fort Benning — Barracks — Constructing Quartermasters Office, Aug. 16, permanent Cuartel Barracks, from J. W. Cowper, Atlanta, $563,600. Noted July 22.

O., Dayton—Foundations—Constructing Quartermaster, Wright Field, foundations at Wright Field, from Price Bros. Co., 45 Davies St., $12,108. Noted Aug. 5.

Ill., Rockwood—Dikes or Hurdles—U. S. Engineer Office, 428 Customhouse, St. Louis, Mo., 11,000 lin.ft. piling dikes or hurdles in Mississippi River near here, from Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., $473,500. Noted July 22.

Federal Government Work (Continued)

Wis., Stevens Point — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Aug. 13, remodeling and enlarging U. S. Post Office, here, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $16,900. Noted Aug. 5.

Wyoming—Road—J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., Aug. 5, grading 4.2 mi. Heback-Canyon Rd., Lower Canyon Sect. Teton Co., here, from A. G. Young, Richfield, Utah, $76,100. Noted July 29.

Wyoming—Road—J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., Aug. 4, grading 6.1 mi. Wind River Surfacing Sect. Natl. Forest Rd. Project, Fremont Co., here, from Watt Bros. Constr. Co., Buffalo, $30,195. Noted July 29.

Mo. St. Louis—Cabin, etc.—Mississippi River Comn., 1311 International Life Bldg., transferring cabin and erecting condensing machinery in new hull, from Ayer & Lord Tie Co., Paducah, Ky., $109,500. Noted July 29.

New Mexico—Road—J. W. Johnson, dist. engr., 301 Custom House, Denver, Colo., grading, etc. 5.85 mi. Datil-Reserve Creek Pleasanton-Box Canyon Sect. Natl. Forest Rd., Catron Co., here, from Veator & Davis, El Paso, Tex., $107,607. Noted July 29.

C. Z., Coco Solo—Refrigerating Plant—Spec. 5186—Bureau Yards & Docks, Navy Dept., Wash., D. C., Aug. 11, refrigerating plant at Naval Submarine Base, here, from Austin Eng. Co., 121 West 42nd St., New York City, $81,775. Noted July 15.

Contracts Awarded

Mass., Boston—Piers—Spec. 5241—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to Piers 2, 4 and 7 at U. S. Navy Yard, here, to Newport Contg. & Eng. Co., Newport News, Va., $127,650. Noted Aug. 5.

Mass., South Boston (Boston P. O.) — Utility Building — Spec. 5223 — Bureau Yards & Docks, Navy Dept., Wash., D. C., utility building at Navy Dry Dock, here, to Guiney & Hanson Constr. Co., Boston, $74,000. Noted Aug. 17.

N. Y., Northport—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., refrigeration plant for U. S. Veterans Hospital, here, to Shipley Constr. & Supply Co., 42nd St. and 2nd Ave., Brooklyn, $34,872; also radial brick chimney, to M. W. Kellogg Co., 7 Dey St., New York City, $9,784. Noted Aug. 5.

N. J., Cold Spring—Stone—U. S. Engineer Office, Wilmington, Del., stone for repairing jetties at Cold Spring Inlet, here, to T. C. Hubbert & Co., Wilmington, Del., $31,500. Noted July 8.

Pa., Fort Mifflin (mail Essington)—Pier—Spec. 5226—Bureau Yards & Docks, Navy Dept., Wash., D. C., improving Pier 2, at Ammunition Depot, here, to General Contg. Co., Camden, N. J., $24,597. Noted Aug. 12.

Pa., Phila.—Roads—Spec. 5259—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at U. S. Naval Home, here, to Curtis Bros., State Rd., $6,860. Noted July 29.

D. C., Wash.—Equipment—U. S. Engineers Office, 1068 Navy Dept. Bldg., pneumatic conveying and dust recovering equipment for Water Supply Project, to Dust Recovering & Conveying Co., 2130 St. Clair Ave., Cleveland, O., $15,850. Noted Aug. 12.

Illinois—Levee—Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., levee work in Preston Levee Drainage Dist., here, to Kaiser & Co., St. Louis, Mo., $87,000. Noted July 29.

Missouri — Levee — Mississippi River Comn., 1311 International Life Bldg., St. Louis, levee work in Levee Dist. 2, Perry Co., to McWilliams Dredging Co., 332 South Michigan Blvd., Chicago, Ill., $58,800. Noted July 29.

Missouri—Revetment—U. S. Engineers Office, 707 Postal Telegraph Bldg., Kansas City, 850 ft. current retards at Fish Creek Bend, in Missouri River, here, to Woods Bros. Constr. Co., Security Bldg., Kansas City, $44,880. Noted Aug. 12.

Mo., Kansas City—Current Retards—U. S. Engineer Office, current retards in Missouri River, near Littles Island, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $47,700.

Ore., Portland—Dredging—U. S. Engineer Office, dredging in Sinslaw River, here, to Inland Constr. Co., Railway Exch. Bldg., Portland, $23,030. Noted July 22.

Calif., Los Angeles—Dredging—U. S. Engineer Office, 725 Central Bldg., dredging in Los Angeles Harbor, to United Dredging Co., Central Bldg., $513,784. Noted June 24.

Unclassified

Proposed Work

Tower — Northampton, Mass. — Comrs. Hampshire Co., N. S. Hitchcock, chn., plans steel observation tower, concrete foundation, Mt. Tom. $25,000. Private plans.

Conduits—Reading, Mass.—Edison Electric Illuminating Co., 70 State St., Boston, plans underground conduits from Stoneham line. $25,000 or more. Private plans.

Traffic Signals — Albany, N. Y. — Plans street traffic signals on various streets. $65,000.

Transmission Line — Kentucky — Kentucky-Tennessee Light & Power Co., Bowling Green, plans 15.3 mi. transmission line on Fulton-Mayfield Rd., in Graves Co.

Underground Crossing—Portsmouth, O.—City soon takes bids underground crossing, 10th and Offnere Sts. $300,000. Address City Engineer.

Gas Lines—Texas—Mexican Seaboard Oil Co., et al, c/o J. W. Gaines, City Natl. Bank Bldg., San Antonio, plans natural gas distributing system in 14 Rio Grande Valley towns, $150,000 or more; also 160 mi. lines from Webb Co. fields to Brownsville, $3,500,000. Private plans.

Dock, etc.—Portland, Ore.—See "Buildings—Industrial."

Elimination of Grade Crossing—Portland, Ore.—City, Spokane, Portland & Seattle R.R. Co., A. J. Witchel, ch. engr., Oregon, Washington Ry. & Navigation Co., S. Murray, asst. ch. engr., Great Northern R.R. Co., J. R. W. Davis, ch. engr., and Northern Pacific R.R. Co., H. E. Stevens, ch. engr., both St. Paul, Minn., plan elimination of grade crossing, North Portland. $732,777.

Lighting System—Los Angeles, Calif.—Making plans ornamental street lighting (electrolier) system on portions 73rd, 74th, 75th Sts., etc. To exceed $25,000.

Park Improvements — Modesto, Calif. — Plans park improvements. $50,000 available.

Swimming Pool—Santa Monica, Calif.—See "Buildings—Commercial."

Sand, Rock and Gravel Plant—Roseville, Calif.—Enwood Sand & Gravel Co., Wells Fargo Bldg., San Francisco, making plans rock, sand and gravel plant, incl. ballasting system and purchasing steam shovel, here. $100,000.

Pier—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., made plans 1,200 ft. concrete pile pier, 385 ft., on waterfront between Taylor and Jones Sts. To exceed $1,000,000. F. G. White, Ferry Bldg., engr.

Bids Desired

Heating and Ventilating System—Everett (Boston P. O.) **Mass.**—Aug. 28, by Superintendent High Schools, 548 Bway., heating and ventilating systems in Adams, Hancock and Winthrop Schools. Former bids rejected. $25,000. W. H. Palmer, 60 Franklin St., Malden, engr.

Special Work—Brooklyn, N. Y.—Sept. 3, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of special work (Order 36) in Coney Island Yard, here.

Special Work—New York, N. Y.—Sept. 3, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply of special work (Order 35) in Lenox Ave. Yard.

Fire Alarm System—Poughkeepsie, N. Y.—Sept. 15, by State Hospital Comn., Albany, fire alarm system extension, etc., at Hudson River State Hospital, here; adv. E. N.-R. Aug. 26.

Track Crossing—Phila., Pa.—Aug. 31, by M. Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts. railroad track crossings, Contr. 30-1926.

Subway—Phila., Pa.—Sept. 10, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., track in Broad St. Subway, Fern Rock Terminal Yard and shops in yard, Contr. 126; adv. E. N.-R. Aug. 26.

Underpass—Knoxville, Tenn.—Aug. 30, by City Manager, 1,050 ft. concrete underpass for City, Knox Co. and Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C. $72,299.

Coal Elevator — South Beloit (mail Beloit), **Ill.**—Chicago, Milwaukee & St. Paul Ry., Union Sta., Chicago, taking bids coal elevator, rein.-con. and timber, coal pit, conveyor system, etc. 125 ton capacity. $30,000. C. F. Loweth, Chicago, ch. engr.

Bids Received

Traffic Signals—New York, N. Y.—A. Goldman, comr. Plant & Structures, Municipal Bldg., Aug. 23, traffic control signals and boxes along 6th Ave. from West 3rd to West 53rd Sts., from New York Electrical Constr. Co., 100 East 45th St., $19,550. Noted Aug. 19.

Boardwalk—Long Beach, Calif.—Boardwalk on piles with bulkhead, Seaside Walk between 52nd and 67th Sts., from Pan Pacific Constr. Co., Citizens Natl. Bank Bldg., Los Angeles, $87,370.

Contracts Awarded

Heating and Ventilating System—Dover, N. H.—City, heating and ventilating system in new high school addition, to F. D. Leighton, 1202 Elm St., Manchester, $27,500.

Tank — New Britain, Conn. — Russell & Erwin Mfg. Co., 300,000 gal. capacity tank, to Aberthaw Co., 80 Federal St., Boston. Engrs. est. $25,000.

Tracks, etc.—New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, rail break castings (Order 9) on Flushing Bridges, to Bethlehem Steel Co., 25 Bway., New York City, $9,390; installing tracks in Coney Island Yard, Brooklyn, to B. T. and J. J. Mack, Inc., 160 Bway., New York City, $103,019; and installing tracks in Culver Line, Coney Island Yard, to J. H. Duncan, Inc., 5718 2nd Ave., Brooklyn, $102,228. Grand total $214,637. Noted Aug. 19.

Fire Alarm System—Long Island City, N. Y.—J. J. Dorman, fire comr., Municipal Bldg., New York City, portion underground fire alarm system in Long Island City and in Astoria, to W. F. Kenny, 44 West 23rd St., New York City, $19,416, and to J. Sugden Co., 67 West 44th St., New York City, $47,421. Noted Aug. 12.

Gas Holder—Knoxville, Tenn.—Knoxville Gas Co., 715 South Gay St., foundations for 300,000 cu.ft. standards gas holder, to Roehl & Gervin, 215 North Bway.; superstructure, to Stacey Mfr. Co., Elmwood St., Cincinnati, O. Engrs. total est. $50,000.

Grandstand—Cleveland, O.—Luna Park Amusement Co., Woodhill Rd. and Woodland Ave., c/o C. Zimmerman, pres., 20,000 seating capacity grandstand, to M. Nelson, 3543 Marvin Ave. Engrs. est. $50,000. Noted Aug. 5.

Retaining Wall — Cleveland, O. — City, 3,200 ft. concrete retaining wall along Doan Brook in Rockefeller Park, to P. H. DeSantis, 8019 Hough Ave., $55,000.

Lighting System—Los Angeles, Calif.—Ornamental street lighting system on Santa Monica Blvd. between Sunset Blvd. and Normandie Ave., to J. C. Perry, Detwiler Bldg. $44,652.

Ornamental Street Lighting—Los Angeles, Calif.—Bd. Pub. Wks., 60 ornamental lights on Beverly Glen Blvd., to D. L. McEwan, 2930 Main St., Santa Monica, $32,428. Engrs. est. $33,027.

Grade Separation—Los Angeles, Calif.—City, Hyperion-Waverly Grade Separation, to Salih Bros., Detwiler Bldg., $110,732.

Wharf—Oakland, Calif.—For 1,021 ft. wharf, foot of 14th St., to Smith Bros., Ray Bldg., $303,326. Noted Aug. 5.

Lighting System — Riverside, Calif. — Ornamental street lighting system (electroliers) on New Magnolia Ave., etc., to Finley-Hunt Co., Inc., San Bernardino, $31,431.

Materials

Bids Desired

Cement—Brooklyn, N. Y.—Sept. 1, by J. A. Guider, pres. Brooklyn Boro, Boro Hall 10,000 bbls. portland cement; 10,000 cu.yd. 1½ in. coarse aggregate; 2,000 cu.yd. concrete and paving sand; 2,500 cu.yd. concrete and paving sand; 200,000 gal. asphaltic cement; 10,600 cu.yd. asphalt sand; 1,260 tons limestone and other inorganic dust; and 4,000 cu.yd. binder stone.

Wire—Phila., Pa.—Sept. 1, by M. Smith, purch. agt., Pennsylvania R.R. Co., at 17th and Filbert Sts., rubber insulated wire, Specifications 112A and GST 504, weatherproof wire as per Spec. 112A, Contr. 29-1926.

Pipe—St. Paul, Minn.—Aug. 31, by A. E. Eggert, city purch. agt. 1,370 pieces 2 in. black iron pipe, 7 ft. long. G. M. Shepard, city engr.

Bids Received

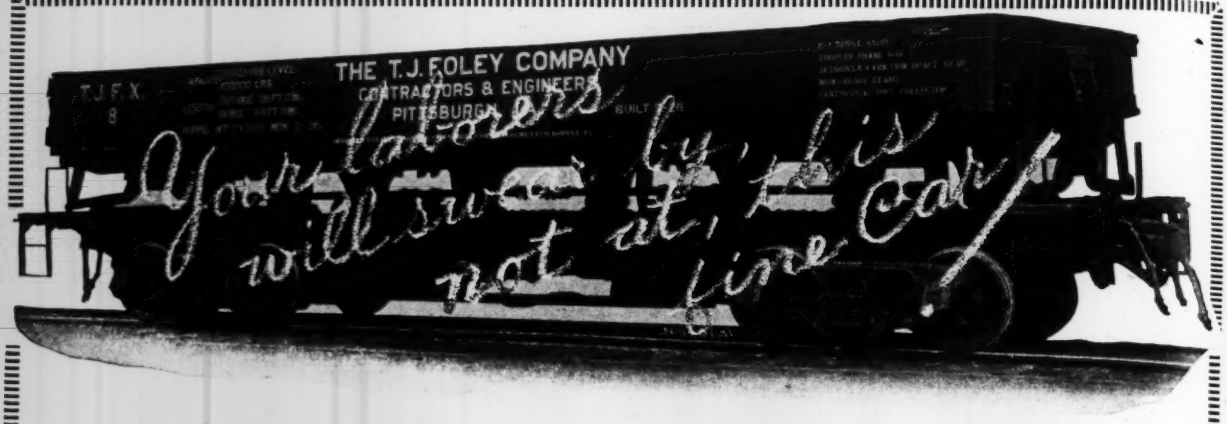
Cement—Baltimore, Md.—Bd. Awards, City Hall, Aug. 18, cement, from Natl. Building Supply Co., 210 Garrison Lane, $25,600.

Contracts Awarded

Paving Blocks—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 25,000 special 5 in. granite paving blocks, to Terminal Supply Co., 350 Madison Ave., $3,561.

See proposal advertising on page 119

Constr. News page 145



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